NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

TECHNICAL NOTE 3981

TABLES OF VARIOUS MACH NUMBER FUNCTIONS FOR

SPECIFIC-HEAT RATIOS FROM 1.28 TO 1.38

By Lewis Laboratory Computing Staff

Lewis Flight Propulsion Laboratory Cleveland, Ohio



Washington April 1957

AFMOC

TECKROLL FRAM AFL 2811

TECHNICAL NOTE 3981

TABLES OF VARIOUS MACH NUMBER FUNCTIONS FOR SPECIFIC-

HEAT RATIOS FROM 1.28 TO 1.38

By Lewis Laboratory Computing Staff

The tables of Mach number functions for a range of specific-heat ratios were compiled for use at the NACA Lewis laboratory in solving fluid-flow problems. These tables provide information supplemental to the notes and tables presented in reference 1. The program for computing the values given in the tables was prepared by members of the Lewis laboratory computing staff for processing on automatic computing equipment at the NACA Langley laboratory.

The tables were prepared originally for internal use by the Lewis laboratory staff, and have proven to be effective for a wide range of fluid-flow problems. Because interest has been expressed in obtaining copies of the tables for use by a number of visitors to the Lewis laboratory, this report has been prepared in order to make the tables generally available.

SYMBOLS

The following symbols, which are used in the tables, conform with those in reference 1:

- A cross-sectional area of stream tube or channel
- a speed of sound
- M Mach number, V/a
- p pressure
- T absolute temperature
- V speed of flow
- γ ratio of specific heats
- o density

Subscripts:

- l conditions just upstream of a shock wave
- 2 conditions just downstream of a shock wave
- t total
- * conditions where M = 1

Equations:

$$\frac{A}{A_{*}} = \frac{1}{M} \left(\frac{1 + \frac{\gamma - 1}{2} M^{2}}{\frac{\gamma + 1}{2}} \right)^{\frac{\gamma + 1}{2(\gamma - 1)}} = \frac{1}{M} \left[\frac{2 + (\gamma - 1)M^{2}}{\gamma + 1} \right]^{\frac{\gamma + 1}{2(\gamma - 1)}}$$

$$\frac{a}{a_{t}} = \left(1 + \frac{\gamma - 1}{2} M^{2} \right)^{-\frac{1}{2}}$$

$$M_{2} = \left[\frac{2 + (\gamma - 1)M_{1}^{2}}{2\gamma M_{1}^{2} - (\gamma - 1)} \right]^{\frac{1}{2}}$$

$$\frac{p}{p_{t}} = \left(1 + \frac{\gamma - 1}{2} M^{2} \right)^{-\frac{\gamma}{\gamma - 1}}$$

$$\frac{p_{t_{2}}}{p_{t_{1}}} = \left[\frac{(\gamma + 1)M_{1}^{2}}{(\gamma - 1)M_{1}^{2} + 2} \right]^{\frac{\gamma}{\gamma - 1}} \left[\frac{\gamma + 1}{2\gamma M_{1}^{2} - (\gamma - 1)} \right]^{\frac{1}{\gamma - 1}}$$

$$\frac{T}{T_{t}} = \left(1 + \frac{\gamma - 1}{2} M^{2} \right)^{-1}$$

$$\frac{V}{a_{t}} = M \left(1 + \frac{\gamma - 1}{2} M^{2} \right)^{-\frac{1}{2}}$$

$$\frac{\rho}{\rho_{t}} = \left(1 + \frac{\gamma - 1}{2} M^{2} \right)^{-\frac{1}{\gamma - 1}}$$

Lewis Flight Propulsion Laboratory National Advisory Committee for Aeronautics Cleveland, Ohio, March 4, 1957

REFERENCE

1. Ames Research Staff: Equations, Tables, and Charts for Compressible Flow. NACA Rep. 1135, 1953. (Supersedes NACA TN 1428.)

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M	T/T _t	p/p_{t}	ρ/ρ _t	a/a _t	V/a _t	$\rho_{ m v}/\rho_{ m t}$ at	A/A*	M ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	2		
0.00	1.00000	1.00000000	1.0000000	1.00000	.00000000	.0000000				NACA		
.01	.99999	.99995470	.9999647	.99999	.0099999	.0099994	58.65987			À		
.02	.99994	99974450	.9998006	.99997	.0199994	.0199954	29.33495					
.03	.99987	.99942450	.9995505	.99994	.0299981	.0299846	19.56221			国		
.04	.99978	.99897630	.9992001	.99989	.0399955	.0399635	14.67751					
.05	.99965	99840150	.9987511	.99983	.0499912	.0499288	11,74803			8		
-06	.99950	99769960	.9982025	.99975	.0599848	.0598770	9.79616			3981		
.07	.99931	.99687040	.9975543	.99966	.0699760	0698048	8.40293					
.08	.99910	99591400	.9988064	.99955	.0799641	.0797088	7.35885					
.09	.99887	.99483260	.9959608	.99943	.0899490	.0895856	6.54753					
.10	.99860	.99362480	.9950159	.99930	.0999300	.0994320	5.89916					
.11	.99831	.99229230	.9939733	.99915	1099070	.1092 446	5.36928					
.12	.99799	.99083630	.9928339	.99899	.1198793	.1190202	4.92829					
.13	.99764	.98925540	.9915961	.99882	.1298465	.1287553	4.55566					
-14	.99726	.98755120	.9902611	.99863	1398084	.1384468	4.23675					
.15	.99686	-98572530	.9888304	.99643	.1497644	.1480915	3.96083					
.16	.99643	.98377870	.9873047	.99821	1597141	.1576865	3.71982					
.17	.99597	.98171090	.9856830	.99798	.1696572	.1672282	3.50758					
.18	.99548	.97952360	.9839668	.99774	.1795932	.1767137	3.31929					
•19	.99497	.97721790	.9821569	.99748	.1895217	.1861400	3.15120					
.20	.99443	.97479440	.9802533	.99721	.1994424	.1955041	3.00027					
.21	.99386	.97225510	.9782579	.99693	2093548	.2048029	2.86405					
.22	.99327	.96959980	.9761699	.99663	.2192585	.2140335	2.74053					
.23	.99265	.96883170	.9739922	.99632	.2291531	.2231933	2.62806					
.24	.99200	.96394980	.9717232	.99599	.2390382	.2322789	2.52526					
.25	.99133	.96095620	.9693647	.99565	.2489134	.2412879	2.43097					
.26	.99062	.95785280	.9669180	.99530	.2587784	.2502175	2.34422					
.27	.98990	.95464190	.9643851	.994 94	.2686327	.2590653	2.26416					
.28	.98914	.95132260	.961,7644	.99456	.2784760	.2678282	2.19008					
.29	.98836	.94789710	.9590578	.9941,6	.2883078	.2765038	2.12136					
. 30	.98756	.94436760	-9582667	.99376	.2981277	.2850896	2.05748					
. 31	.98672	.94073540	.9533922	.99334	.3079355	.2935833	1.99795					
. 32	.98587	.93700070	.9504337	.99291	.3177307	.3019819	1.94238					
- 33	98498	.9331.6790	.9473951	99246	.3275128	.3102840	1.89041					
. 34	.98407	.92923750	.9 44 2763	.99200	.3372817	.3184871	1.84172					
. 35	.98314	.92520950	.9410767	.99153	.3470369	.3265883	1.79604					
. 36	.98218	.921,08730	.9377996	.99105	.3587779	.3345861	1.75311					
. 37	.98119	.91687280	.93 444 57	99055	3665045	.3424785	1.71271					
. 38	.98018	.91256680	.9 <u>5101</u> 53	.9900∉	.3762163	3502631	1.67464					
. 39	.97915	90817140	.9275101	.98952	.38591.29	.3579381	1.63873					
.40	97809	.90368940	.9239321	.98898	.3955939	.3655019	1.60482					
.41	.97701	89912090	.9202809	.98844	.4052591	.3729522	1.57276					
.42	.97590	.89 44 7010	.9165600	.98788	.4149080	.3802880	1.54242					
.43	.97477	-88973630	.9127681	.98730	4245403	.3875068	1.51369					
.44	.97361	88492330	.9089084	.98672	.4341 557	.3946077	1.48645					
- 45	.97243	.88003270	.9049817	.98612	.4437538	. 4 015891	1.46061					
-46	.97123	.87506500	.9009881.	.98551	4533343	.4 08 44 87	1.43608					
.47	.9700C	87002460	.8969311	98489	.4628968	.41,518 64	1.41278			ល		
-48	96875	86491200	.8928107	.98425	.4724 4 10	.4218003	1.39062					
.49	.9674 8	.85972910	.8886281	.98361	.481.9666	.4282891	1.56955					

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M	$ exttt{T/T}_{ exttt{t}}$	$_{ m p/p_{t}}$	$ ho/ ho_{ m t}$	a/a_t	v/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A*	MS	$_{\mathrm{p_{t_2}/p_{t_1}}}$	G
0,50	.96618	.85447930	.8843882	.98295	.4914733	.4346521	1,34951			
.51	96487	84916230	.8800838	.98228	5009606	.4408873	1.33042			
,52	96352	84378230	.8757246	.981.59	.5104284	.4469947	1.51224			
.53	.96216	83834050	.8713092	.98090	.5198763	.4529729	1.29492			
.54	96078	85285900	8668389	.98019	.5293040	.4588213	1.27842			
.55	95937	.82727940	.8623147	.97947	.5387111	4645385	1,26268			
.56	95794	82166420	8577386	97875	.5480975	.4701243	1.24768			
.57	.95649	81599650	8531130	.97800	,5574627	.4755786	1.23537			
.58	95502	.81027640	8484375	.97725	456680 64	.4808997	1,21973			
.59	95353	80450660	8437136	.97649	.5761.285	.4860874	1.20671			
.60	95202	79869060	8389447	.97571	.5854286	4911422	1,19429			
.61	95049	79282800	8341297	97493	.5947064	.4960622	1.18244			
.62	94893	78692320	.8292723	.97415	.6039616	.5008486	1.17114			
.63	94736	78097690	8243728	.97332	.6131940	.5055004	1.16038			
.64	94577	.77499160	8194328	.97251	.6224033	.5100176	1.15009			
.65	94415	76896860	,8144532	.97168	.6315891	.5143998	1.14029			
.66	94252	76291140	8094369	97084	.6407514	.5186478	1.13095			
.67	.94087	75682060	8043838	.96998	6498897	.5227607	1.12205			
.68	93920	.75069860	,7992959	.96912	.6590039	.5267391	1.11358			
.69	.93751	.74454710	.7941743	96825	.6680937	.5305827	1.10551			
.70	93580	73836970	.7890219	.96737	.6771588	.5342930	1.09783			
.71	.93408	.73216570	,7838375	96648	6861988	5378684	1.09054			
.72	.93233	.72593910	.7786248	.96557	.6952139	5413108	1.08560			
.73	93057	.71969100	,7733843	.96466	.7042035	.5446200	1.07702			
.74	.92879	71344200	.7681179	96374	.7131676	.5477968	1.07077			
.75	92700	.70715930	.7628266	.96281	7221058	5508415	1.06485			
.76	.92519	70083900	.7575116	.96187	.7310180	.5537547	1,05925			
.77	92336	69452400	.7521738	.96091J	7399039	-5565363	1.05396			
.78	92151	68819790	.7468159	.95995	.7487633	.5591.883	1.04896			
.79	.91965	.68186200	.7414391	95898	.7575960	.5617112	1.04425			
.80	.91777	.67551670	.7360431	.95800	.7664017	.5641046	1,03982			
.81	.91587	.68918510	.7306307	.95701	,7751803	5663705	1.03566			
.82	.91396	.66280900	.7252033	.95601	,7839317	5685098	1.03176			
.83	.91204	.65644880	.7197608	95501	.7926555	.5705223	1.02812			
.84	.91010	.65008840	.7143068	95399	.8013517	.5724109	1,02473			
.85	.90814	.64572700	.7088401	.95296	8100500	.5741745	1.02158			
.86	.90617	.63736760	.7033633	,951.93	.81.86602	•5758155	1,01867			
.87	.90419	.63101180	,6978777	.95089	.8272721	.5773347	1.01599			
.88	.90219	62466100	.6923844	.94984	.8358556	•5787 33 4	1.01353			150
.89	90018	61831670	.6868844	.94878	.8444107	.5800124	1.01130			5
.90	.89815	.61198020	.6813789	.94771	.8529370	. 5611732	1,00928			NACA
.91	.89611	.60565320	.6758691	.94663	.8614343	.5822168	1.00747			
.92	89406	59933670	.6703558	.94555	.8699026	5831442	1.00587			县
.93	.89199	59303360	.6648418	.94445	.8783417	.5839582	1.00446			
.94	.88991	.58674380	6593264	.94335	.8867515	.5846586	1.00326			였
.95	.88782	.58046870	.6538110	.94224	.8951 318	.5852469	1,00225			398I
.96	,88572	.57421110	.6482982	.94113	.9034824	.5857259	1.00143			H
.97	.88361	.56797010	.6427866	.94000	.9118032	.5860948	1.00080			
.98	.88148	.56174910	.6372797	.93887	.9200942	.5863573	1.00035			
.99	.87934	,55554770	.6317767	.93773	,9283551	.5865130	1.00009			

NACA TN 3981

M	T/T _t	$_{ t p/p_{ t t}}$	P/Pt	a/a_t	$ exttt{v/a}_{ exttt{t}}$	$ ho_{ m v}/ ho_{ m t}$ $ m a_{ m t}$	A/A _*	M ₂	$\mathbf{p_{t_2}/p_{t_1}}$
1.00	.87719	.54936850	6262802	.93659	.9365859	.5865652	1.00000	1,00000	1,000000
1.01	87503	.5432111.0	6207894	93543	.9447864	.5865132	1.00009	.99012	.999997
1.02	.87286	53707880	6153076	.93427	.9529566	,5863613	1.00035	.98049	.999991
1.03	87068	.53097090	.6098340	93310	.9610961	5861091	1,00078	.97108	.999965
1.04	86849	52488860	6043694	.93193	9692052	,5857579	1,00136	.96190	999924
1.05	86629	51883420	5989164	.93075	.9772836	.5853111	1.00214	.95293	.999853
1.06	.86408	51280800	.5934748	.92956	9863510	.5847691	1.00307	.94417	.999746
1.07	.86186	.50881060	5880453	.92836	.9933477	5841334	1.00416	.93562	.999603
1.08	.85963	50084340	.5826295	.92716	1.0013330	5834060	1.00541	.92725	.999418
1.09	.85739	.48490730	.5772273	92595	1.0092880	. 5825885	1,00683	.91908	.999187
1.10	.85514	48900310	.5718403	.92474	1.0172110	.5816823	1.00893	.91108	.998900
1.11	.85288	.48313200	5664695	.92352	1.0251030	.5806898	1.01012	90526	.998681
1.12	.85062	47729440	,5611150	.92229	1.0329640	.5796117	1.01200	89561	.998162
1.13	84834	47149150	.5557782	.92106	1,0407940	.5784504	1.01403	88813	.997704
1.14	84606	46572390	5504597	.91982	1.0485920	.5772074	1.01621	.88080	.997179
1.15	84378	45999230	5451600	91.857	1,0565590	.5738842	1.01855	87363	998585
1.16	84148	45429750	5598800	.91732	1,0640930	.5744825	1.02103	.86881	.995924
1.17	83918	44864050	5346208	.91607	1.0717960	.5730045	1.02367	.85974	.995191
1.18	83686	44302140	5293823	91480	1.0794680	.5714510	1.02645	85300	994382
1.19	83455	43744080	5241653	91354	1,0871080	.5698259	1,02938	.84640	,993495
1.20	83228	43190010	5189713	.91226	1.0947160	.5681259	1.03246	85994	,992533
1.21	82989	.42639900	5137998	.91098	1.1022920	.5663572	1.03568	.83360	.991495
1.22	82756	42093880	5086524	.90970	1.1098360	.5645206	1.03905	.82739	.990372
1.23	82521	.41551970	5035294	.90841	1.1173480	.5626175	1,04257	.82130	.989170
1.24	.82287	.41014220	.4984311	90712	1.1248290	.5606496	1.04622	.81533	.987885
1.25	.82051	40480670	4933583	90582	1.1322770	.5588182	1.05003	.80947	.986513
1.26	.81815	.39951350	4883110	90452	1.1396930	.5565248	1.05398	.80372	985062
1,27	.81579	.39426340	.4832905	90321	1.1470780	.5543717	1,05807	79809	983529
1.28	.81342	38905660	.4782989	90190	1.1544300	5521602	1.06251	.79256	.981906
1.29	.81105	38389360		.9015B	1.1617500	5498920	1.06669	.7871.3	.982000
1.30	•		.4753307	.89926	1.1690380	.54756B4	1.07122	.78180	.978410
	.80867	.37877420	.4683922	.89793	1.1762940	5451921	1.07589	.77657	976534
1.51	.80829	.37369990	4634628	.89660	1,1835180	.5427634	1.08070	.77143	.974572
1.32	.80390	36866990	.4586017	.89527	1,1907100	5402840	1.08566	.76659	.972529
1.55	.80151	.36368460	4537496	.89393	1,1978690	.5377567	1.09078	.76143	.970397
1.34	.79912	.35874490	.4489276				1.09601	.75657	.968182
1.35	.79672	•35385070 •••••••	.4441357	.89259	1.2049970	.5351821		.7517 9	.96588 4
1,36	.79432	.34900200	.4393740	.69124	1.2120920	.5325618	1.10140 1.10694	.74709	.963503
1.37	.79191	.34419940	.4346433	.88989	1.2191560	.5298979		.74248	.961041
1.58	.78951	.33944250	.4299433	.88854	1.2261870	.5271907	1.11263	.73794	.958492
1.39	.78710	33473160	.4252745	.88718	1.2331860	.5244424	1.11845	,75348	.955866
1.40	.78468	.35006710	.4206375	.88582	1.2401530	.5216547	1.12443	.72910	.953156
1.41	.78227	.32544930	.4160329	.88446	1.2470880	.5188293	1.13058	_	.950570
1.42	.77985	.32087750	.4114600	.88309	1,2539900	,5159669	1.13685	,72479 72055	
1.43	.77743	.31635260	.4069199	.881.72	1.8608610	.5130695	1.14325	.72055	.947501 944558
1.44	.77501	.31187420	.4024125	,88035	1,2677000	.5101384	1.14982	.71638	.944556
1.45	,77259	.30744240	.3979380	.87897	1.2745070	.5071746	1,15654	,71228	.941536
1.48	.77018	.30305690	.3934964	.87759	1,2812820	.5041798	1.16340	.70825	.938441
1.47	.76774	.29871860	.5890887	.87621	1.2880250	.5011557	1.17043	.70429	.935268
1.48	76531	,29442890	.3847147	.87482	1.2947360	.4981039	1.17760	.70039	.952024
1.49	.76288	.29018130	.3803737	.87343	1.3014150	.49 50238	1.18492	. 69655	.928705

TABLE I. - Continued. SPECIFIC HEAT, 1.28

M	$ exttt{T/T}_{ exttt{t}}$	p/p _t	$ ho/ ho_{ m t}$	a/a _t	v/a _t	ρ _V /ρ _t a _t	A/A _*	M_2	$_{\mathrm{Pt}_{2}}/_{\mathrm{Pt}_{1}}$	œ
1.50	,76046	.28598270	.3760872	.87204	1.3080620	.4919193	1.19240	.69277	.925316	w
1.51	.75803	.28163000	.3717941	.87065	1.3146780	.4887894	1.20003	.68905	.921858	
1,52	.75560	.27772420	3675557	.86925	1.3212620	.4856372	1.20782	68539	.916330	
1,53	.75317	.27366440	.3633514	.86785	1.3278140	4824630	1.21577	.68179	914754	
1.54	.75074	26965090	3591815	86645	1.3343340	4792681	1.22388	.67824	.911074	
1,55	.74831	26568360	3550463	.86505	1.3408230	4760542	1.25214	.67475	.907348	
1.56	.74588	.26176200	.3509454	86364	1,3472810	4728219	1,24056	.67131	.903560	
1.57	.74345	25788650	-3468795	.86223	1.3537070	4695731	1.24915	.86792	.899707	
1.58	.74102	.25405620	-3428478	.86082	1.3601010	.4663077	1.25789	.66459	.895796	
1,59	.73859	.25027150	3388511	.85941	1,3664650	4630280	1.26680	.66130	.891628	
1,60	.73616	24653200	.3348891	85800	1.3727960	.4597 34 5	1.27588	.65807	.887800	
1,61	.75373	.24283790	.3309623	85658	1.3790970	4564290	1,28512	.65488	.883712	
1.62	.75131	.2391.8810	.3270697	.85516	1.3853660	.4531114	1,29453	.65174	.879575	
1.63	.72888	23558320	.3232122	85375	1.3916050	.4497836	1,30410	.64965	.875383	
1.64	.72646	.23202300	.3193900	85232	1.3978120	4464471	1.31385	.64560	.871138	
1.65	.72403	22850690	.5156024	.85090	1.4039880	4431019	1.32377	.64259	.866844	
1.66	.72161	22503450	.3118493	84948	1.4101340	4397492	1,33386	.63963	.862501	
1.67	.71919	.22160590	.3081311	84805	1.4162480	4363901	1.34413	.63671	.858112	
1.68	.71678	21822050	3044474	.84663	1,4223320	4330253	1.35458	.6338 4	.853674	
1.69	.71436	.21487870	.3007989	84520	1.4283850	4296565	1.36520	.63100	.849194	
1,70	.71195	21157940	2971845	84577	1,4344080	4262836	1,37600	.62820	.844672	
1.71	70953	.20832310	2936052	84234	1.4404000	4229087	1.38698	62545	.840106	
1.72	.70713	20510890	2900602	64091	1.4463610	4195316	1,39814	62273	.835500	
1.73	.70472	.20193660	2865493	83948	1.4522920	.4161533	1.40949	.62005	.830858	
1.74	.70231	19880610	2830729	83804	1.4581930	.4127749	1,42103	.61740	.826179	
1,75	.69991	19571690	.2796306	.83661	1.4640630	4093968	1.43275	.61480	.821465	
1.76	.69751	.19266910	.2762229	.83517	1.4699040	.4060210	1,44467	.61223	.816712	
1.77	69512	18966200	2728490	83374	1.4757140	4026471	1.45677	.60969	.811933	
1.78	69272	.18669520	2695088	83230.	1.4814950	3992758	1,46907	.60719	.807119	
1.79	69033	.18376850	2662024	83086	1.4872460	3959081	1.48157	.60472	.802276	
1.80	68795	18088170	2629297	.82943	1.4929660	3925451	1,49426	60228	797406	
1.81	68556	17803440	2596907	82799	1.4986580	.3891873	1.50715	.59988	.792507	
1,82	68318	.17522600	2564847	82655	1,5043190	3858348	1.52025	.59751	.787584	
1.83	.68081	17245680	.2533126	82511	1,5099510	3824896	1,53354	.59517	.782638	
1.84	67843	.16972560	2501729	82367	1.5155540	.3791505	1.54705	.59286	.777867	
1.85	67606	.16703260	2470664	.82223	1.5211280	37581.94	1,56076	59058	.772677	
1.86	.67370	.16437730	2439926	82079	1.5268720	3724965	1.57469	.58834	.767665	
1.87	.87134	.16175950	2409515	81935	1.5321870	3691826	1,58882	.58612	.762634	
1.88	.66898	.15917860	2379428	81791	1.5376730	3658781	1,60317	.58392	.757588	
1.89	.66662	.15663430	2349663	81647	1,5431300	.3625835	1.61774	.58176	.752523	-
1.90	.66428	15412640	2320220	81503	1,5485590	3592996	1.63252	57963	.747446	≨
1.91	.66193	.15165430	2291094	81359	1,5539580	3560263	1.64753	.57752	.742353	NACA
1.92	.65959	.14921790	2262288	81215	1,5593290	3527651	1.66277	.57544	.737248	
1.93	65725	.14681650	2233793	.81071	1.5646720	3495153	1.67822	.57338	.732133	KH
1.94	.65492	.14445020	.2205617	.80927	1.5699860	3462786	1.69391	.57135	.727009	
1.95	.65259	14211800	2177746	80785	1.5752720	3430542	1.70983	.56935	.721676	3981
1.96	.65027	.13982020	2150189	80639	1.5805300	3398437	1.72598	.58737	.71.6734	96
1.97	.64795	.13755590	2122937	.80495	1.5857600	3366467	1.74238	.56541	711587	ŭ
1.98	.64564	1.3532500	2095990	80352	1.5909610	.3334639	1.75901	56348	.706433	
1.99	.64333	.13312720	2069349	80208	1.5961350	3302961	1.77588	.56157	.701276	
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M	$ exttt{T/T}_{ exttt{t}}$	$p/p_{ m t}$	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$v/a_{ m t}$	$\rho_{ m v}/\rho_{ m t}$ a _t	A/A _*	M ₂	$^{\mathrm{p}}_{\mathrm{t}_{2}}/_{\mathrm{p}_{\mathrm{t}_{1}}}$	2
2,00	-64103	.13096190	-2045007	.80064	1.6012810	.3271429	1.79299	.55969	•696118	NACA
2.01	-63873	.12882880	2016963	.79920	1.6064000	.3240048	1.81036	.55783	.690955	Ä
2.02	63643	.12672750	.1991215	.79777	1.6114910	.3208823	1.82798	. 55599	.685793	
2.03	.63415	.12465780	.1965762	79633	1.81.85550	.3177760	1.84584	.55 4 17	£680630	II.
2.04	63186	.12261920	1940602	.79490	1.6215910	.3146862	1.86397	.55238	675468	
2.05	.62958	12061150	.1915734	.79346	1.6266000	.31161.32	1.88235	55061	670307	3981
2.06	62731.	11863400	1891150	.79203	1.6315820	.3085565	1.90100	.54885	,665151	ρō
2.07	62504	.11668660	1866854	•790 6 0	1.6365370	.3055174	1.91991	-54712	.659999	_
Z.08	·62278	11476910	1842844	.78917	1.6414630	.3024963	1.93908	.54541	.654852	
2.09	62053	.11288060	.1819110	.78774	1.6463670	.2994920	1.95853	.54372	.649709	
2.10	-61828	11102110	.1795656	.78631	1.6512410	.2965060	1.97825	54205	.644576	
2.11	61603	1091,9030	.1772480	78488	1.6560900	2955386	1.99825	•54040	.639447	
2.12	61.379	10738780	.1749580	78345	1.6609120	.2905897	2.01854	.53876	634328	
2.13	61156	10561290	.1726947	.78202	1.6657070	.2876587	2.03910	.53715	.629221	
2.14	60933	1.0386570	1704587	.78 060	1.6704770	.2847472	2.05995	•53555	.624120	
2.15	.60711	.10214560	.1682492	.77917	1.6752200	2818543	2.081.09	.53398	-619033	
2.16	60489	10045240	1660664	.77775	1.6799380	.2789809	2.10252	.53242	.613956	
2.17	60268	09878545	.1639094	.77633	1.6846290	.2761265	2.12426	.55088	.608890	
2.18	60048	.09714489	.1617790	.77491	1.6892950	.2732923	2.14629	.52935	•603840	
2.19	59828	09553004	1596741	.77349	1.6939360	.2704775	2.16863	.52785	•598803	
2.20	-59609	.09394052	1575947	.77207	1.6985510	.267682 4	2.19127	.52636	.593780	
2.21	•59390	.09237617	.1555407	.77065	1.7031400	.2649074	2.21423	.52488	-588774	
2.22	-59172	.09083641	.1835114	.76924	1.7077040	.2621521	2.23750	.523 4 3	.583784	
2.25	58955	08932129	.1515074	.78782	1.7122440	.25941.73	2.26108	.52199	.578809	
2.24	-58738	.08783002	.1495275	.78641	1.7167580	.2567025	2.28499	. 52056	.573851	
2.25	-58522	.08636285	.1475726	76500	1.7212470	.2540089	2.30923	.51915	.568911	
2.26	58307	.08491883	1456415	76359	1.7257120	.2513349	2,53580	.51776	•563991	
2.27	-58092	08349798	.1437340	.76218	1.7301520	.2486815	2.35870	.51638	.559089	
2.28	-57878	.08209996	1418504	.76078	1.7345670	.2460490	2.58594	•51502	.554206	
2.29	-57864	.08072442	.1399903	.75937	1.7389580	.2434371	2.40951	-51367	-549344	
2.30	-57451	.07937102	1381533	.75797	1.7433250	2408459	2.43544	•51233	.544500	
2.31	.57239	07803940	1363391	.75657	1.7476680	2382754	2.46171	.511.01	.539680	
2.32	.57028	07672925	-1345476	,75517	1.7519860	2357255	2.48833	•50971	.534881	
2.33	•56817	07544039	.1327788	.75377	1.7562810	.2331965	2.51532	.50842	-530103	
2.34	56606	07417250	.1310320	.75237	1.7605510	2306885	2.54267	.50714	.525347	
2.35	-56397	.07292525	1293075	.75098	1.7647990	.2282016	2.57038	.50588	.52061.4	
2.36	•561.88	.07189815	1276044	74959	1.7690220	.2257349	2.59847	.50462	-515905	
2.37	·55980	07049121	1259232	.74820	1.7732220	.2232897	2.62693	.50359	.511220	
2.38	•55772	06930394	1242632	.74683.	1.7773990	.2208651.	2.65576	450216	.506559	
2.39	•55565	06813605	1226241	74542	1.7815520	.2184612	2.68498	.50095	.501923	
2.40	•55359	.08698737	.1210061	.74403	1.7856830	.2160784	2.71459	.49975	-49731.1	
2.41	-55153	.06585761	1194088	.74265	1.7897900	.2137166	2.74459	49858	.492725	
2.42	54948	.06474630	.1178316	74127	1.7938750	.2113750	2.77499	.49759	.488162	
2.43	-54744	06365345	.1162749	.73989	1.7979560	2090548	2.80579	49623	•483626	
2.44	54540	08257862	1147382	73851	1.8019760	2067554	2.85700	49508	-479116	
2.45	·54337	06152151	.1132212	.73714	1.8059920	2044765	2.86862	.49394	.474633	
2.46	54135	06048184	1117236	.73577	1.8099870	2022181	8.90086	.49283.	.470175	
2.47	-53934	.05945946	1102454	.73440	1.8139580	.1999805	2.93311	49170	.465748	9
2.48	•53733	05845397	1087862	.73303	1.8179080	.1977632	2.96599	49059	.461344	
2.49	•53533	05746521.	.1075459	.731.66	1.8218360	1955665	2.99931	.4 6950	456968	
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TABLE I	Continued.	SPECIFIC	HEAT,	1.28	

					- COTICITUEG	• DEBUIETU	-			
M	T/T _t	$_{ m p/p}_{ m t}$	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$ exttt{V/a}_{ exttt{t}}$	$\rho_{\rm v}/\rho_{\rm t}$ $a_{\rm t}$	A/A _*	${\tt M}_{\tt Z}$	$^{\mathrm{p}}\mathrm{_{t_{2}}/^{p}t_{1}}$	10
2.50	.53333	.05649291	.1059243	-73030	1.8257420	.1933903	3.03306	.48842	.452620	0
2.51	.53135	.05553681	.1045211	.72893	1.8296260	.1912344	3.06725	.48734	.448299	
2.52	52936	05459664	.1031362	-72757	1.8334880	.1890989	3.10190	.4862B	.444008	
2.53	.52739	.05387227	.1017695	.72622	1.8373290	.1869839	3.13698	.48523	.439744	
2.54	52542	.05276330	.1004205	.72486	1.8411480	.1848889	5.17253	.48419	.435507	
2.55	.52346	.05186949	0990869	.72351	1.8449460	.1828137	3.20854	.48316	.431299	
2.56	.52151	.05099070	.0977749	.72216	1.8487230	.1807587	3.24501	.48215	.427122	
2.57	.51957	.05012668	.0964781	72081	1.8524790	.1787237	3.28196	.48114	.422971	
2.58	.51763	04927719	.0951984	.71946	1.8562130	.1767086	3.31940	.48014	.418850	
2.59	.51569	.04844188	.0939353	.71812	1.8599270	.1747128	3.35731	.47915	.414759	
2.60	.51377	.04762073	.0926890	.71678	1.8636200	.1727371	3.39570	.47817	.41,0695	
2.61	.51185	.04681.338	.0914590	71544	1.8672920	.1707808	3.43461	.47720	406662	
2.62	.50994	04601962	.0902452	71410	1.8709440	.1688438	3.47401	.47624	.402657	
2.63	.50804	.04523931.	.0890475	.71,277	1.8745750	.1669263	3.51392	.47528	398681	
2.64	.50614	.04447214	.0878656	.71143	1.8781860	.1650279	3.55 4 34	.47434	.394735	
2.65	-50425	.04571797	.0866993	.71010	1.8817770	.1631488	3.59527	47341	.390818	
2.66	.50237	.04297660	.0855485	.70878	1.8853470	.1612888	3.63674	.47248	.386932	
2.67	.50049	.04224769	.0844128	.70745	1.8888990	.1594473	3.67873	.47157	.383074	
2.68	.49862	.04153125	.0832924	.70613	1.8924290	.1576251	3.721.27	47066	.3792 4 7	
2.69	.49676	.04082696	.0821869	.70481	1.8959400	1558214	3.76435	.46976	.375448	
2.70	.49490	.0401,3452	.081,0958	.70349	1.8994310	.1540360	3.80797	.46887	.371679	
2.71	.49305	03945390	.0800194	.7021,8	1.9029030	.1522692	3.85216	.46799	.367940	
2.72	.491.21	.03878493	.0789574	.70067	1.9063560	.1505210	5.89690	.46712	.364231	
2.73	.48938	.0381,2729	.0779095	69956	1.9097890	.1487908	3.94221	.46625	.360551	
2.74	.48755	.03748081	.0768755	.69825	1.9132030	.1470785	3.98810	.48539	.356901	
2.75	.48573	.03684538	.0758554	.69694	1.9165970	.1453844	4.03458	.46454	.353282	
2.76	. 4 8392	.03622079	.0748489	.69564	1.9199730	1437081	4.08164	.4 6370	.349691	
2,77	.48211	.03560689	.0738560	.69434	1.9233300	.1420496	4.12930	.46287	.346128	
2.78	.4 8031,	.03500346	.0728764	.69305	1.9266680	.1404086	4.17755	.46204	.342597	
2.79	.47852	.03441026	.0719097	.69175	1.9299860	.1387848	4.22643	.46123	.339095	
2.80	.47674	.03382735	.0709562	.69046	1.9332890	.1371790	4.27591	.46041	.335622	
2.81	.47496	.03325432	.0700154	.68917	1.9365710	.1355900	4.32602	45961	.3321.77	
2.82	.47319	.03269107	.0690872	.68788	1.9398350	.1340179	4.37677	·45881	.328763	
2.83	.47142	.03213750	.0681715	.68660	1.9430810	.1324629	4.4280.4	-4 5803	.325378	
2.84	.46966	.03159345	.0672683	.68532	1.9463090	.1309249	4.48016	.45724	.322022	
2.85	.4 6791	.03105869	.0663771	.58404	1.9495190	.1294034	4.53285	.45647	.318696	
2.86	.46617	.03053311	.0654979	.68277	1.9527100	.1278985	4.58618	.45570	-315397	
2.87	. 4644 3	.03001.650	.0646305	.68149	1.9558840	.1264098	4.64019	.45494	.31.21.30	
2.88	46270	.02950877	.0637748	.68022	1.9590410	.1249375	4.69487	.4541.9	308887	1-31
2.89	.46098	.02900976	.0629307	-67895	1.9821790	1234814	4.75023	.45344	.305676	5
2.90	.45926	.02851932	.0620980	.67769	1.9653000	.1220412	4.80829	.45270	.302492	5
2.91	.45755	.02803756	.061,2766	.67643	1.9684040	.1206172	4.86303	.45196	.299338	
2.92	.45585	.02756361	.0604662	.67517	1.9714900	.1192085	4.92050	.45124	.296212	NACA TN
2.93	.45416	.02709799	.0596567	.67391 CTOCC	1.9745590	.1178155	4.97867	.45051	.293114	***
2.94	.45247	.02664048	.0588782	.67266	1.9776120	.1164383	5.03757	.44980	.290043	3981
2.95	.45079	.02619076	.0581.003	.67141	1.9806470	.1150761	5.09719	.44909	.287003	8
2.96	.44911	.02574880	,0573329	.67016	1.9836650	.1137293	5.15755	.44839	.283987	H
2.97	.44744 44570	.02531442	.0565758	.66891	1.9886660	.1123974	5.21867	.44769	.281003	
2.98	.44578	.02488754	.0558291	.66767	1.9896510	1110805	5.28053	.44700	.278043	
2.99	.4441.3	.02 446 803	.0550925	.66643	1.9926190	.1097785	5 - 34-31,7	. 44 632	.275 <u>111</u>	

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NACA TN 5981

				THINTS I.	- Continue	1. PRECIFIC	HEAT, 1.28		
M	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	ρ/ρ_{t}	a/a_t	V/a _t	$\rho_{\rm V}/\rho_{\rm t}$ at	A/A _¥	$M_{\mathbf{Z}}$	$\mathfrak{p}_{t_2}/\mathfrak{p}_{t_1}$
3.00	.44248	-02405576	.0543660	.68519	1.9955700	.1084913	5.40657	.4456 4	.272208
3.01	.44 084	.02365048	.0536491	•66396	1.9985050	.1072180	5.47076	44497	.269332
3.02	.43920	02325231	.0529421	66272	2.0014240	.1059598	5.53573	44430	-266484
3.03	43757	.02286095	.0522447	66149	2.0043270	.1047156	5.60152	.44364	. 263661.
3.04	43595	.02247632	.0515567	.66027	2.0072150	.1034854	5.66810	-44298	·260863
5.05	.43434	.02209831	.0508780	65904	2.0100840	.1022692	5.73549	.44245	·258096
3.06	.43273	-02172687	0502087	65782	2.0129380	.1010671	5.80372	.44 169	.255352
5.07	.451.1.3	02136176	0495483	•65660	2.0157770	.0998783	5.87279	.44105	.252638
5.08	42954	02100304	0488971	.65539	2.0186000	0987038	5.94268	44042	-249946
3.09	42795	.02065043	.0482545	65418	2.0214070	.0975421	6.01346	.43979	.247282
3.10	42657	.02030393	.0476208	.65297	2.0241990	.0963940	6.08508	.43916	·244644
3.11	42479	.01996338	.0469957	-65176	2.0269750	.0952590	6.15758	.43955	.242030
3.12	.42322	01962873	.0463791	65056	2.0297360	.0943.375	6.23095	.45793	.239445
3.13	.421.66	.01929982	.0457708	64936	2.0324820	.0930283	6.30523	43733	.236882
3.14	.42011	.01,897659	.0451708	64816	2.0352120	.0919322	6.38041	.43672	.234344
3.15	41856	01.865895	0445790	.64696	2.0379280	.0908488	6.45651	.43613	.231.834
3,16	.41702	01834679	0439953	64577	2.0406280	.0897780	6.53350	.43553	.229347
3.17	41548	.01803999	0434195	64458	2.0433140	.08871.96	6.61144	43495	.226884
3.18	.41395	01.773847	0428514	64339	2.0459850	.0876734	6.69034	43436	.224448
3.19	.41243	.01744220	.0422913	.64221	2.0486410	.0866396	6.77017	.43379	.222034
3.20	.41091	01715099	.0417386	64103	2.0512820	.08561.77	6.85097	·4332l	219645
3.21	40940	-01686488	0411937	63985	2.0539090	.0846081	6.93276	.43264	.217281
3.22	40790	.01658362	0406560	.63867	2.0565210	.0836099	7.01551	.43208	.214939
3.23	40640	.01630723	0401256	.637 50	2.0591190	.0826235	7.09927	431.52	.212621
3.24	40491	.01603560	0396025	.63633	2.0617030	081,6486	7.18403	.43097	.210328
3.25	.40343	.01576863	0390865	.63516	2.0642720	.0806851	7.26982	43042	208056
3.26	40195	.01550626	.0385774	63400	2.0668280	.0797329	7.35662	.42987	.205809
3.27	40048	01524843	0380754	-63283	2.0693690	.0787921	7-44446	42933	.203584
3.28	.39901	.01499506	.0375802	.631.68	2.0718970	.0778623	7.53337	·42879	.201381
3.29	.39756	.01474604	.0570918	63052	2.0744100	.0769436	7.62332	42826	.199202
3.30	.39610	01450128	.0366099	62937	2.0769100	.0760355	7.71436	.42773	197045
3.31	39466	.01426075	.0361346	.62822	2.0793960	.0751,382	7.80649	.42721	.194911
3.32	.39322	01402437	.0356659	,62707	2.0818680	0742516	7.89971	.42668	.192798
5.33	.39178	.01379203	0352034	.62592	2.0843280	.0733754	7.99405	.42617	.190706
3.34	.39036	01356371	.0347473	.62478	2.0867730	.0725097	8.08950	.42 566	.188637
3.35	.38893	.01.333931	0342973	. 62364	2.0892050	.0716542	8.18608	42515	.186590
3.36	38752	01311875	.0338535	.62251	2.0916240	.0708088	8.28380	.42464	.184564
3.37	38611	.01290201	.0334157	.62137	2.0940300	.0699736	8.38269	.42414	.182557
5.38	.38470	-01268897	.0329839	.62024	2.0964220	.0691482	8.48274	.423 65	.180573
3.39	.38330	.01247959	.0325579	.61912	2.0988020	.0683326	8,58399	.4 231.6	.17861 0
3,40	38191	.01227380	.0321577	.61799	2.1011690	.0675267	8.68643	.42267	.176668
3.41	38053	.01207155	.0317232	.61.687	2.1035230	.0667305	8.79006	42218	.174746
3.42	.37915	.01187280	0313144	.61575	2.1058630	0659439	8.89494	.42170	.172843
3.43	.37777	.01167743	.0309111	61.463	2.1081920	.0651666	9.00108	.42122	.170960
3.44	-37641	01148545	0305134	.61.352	2.1105070	.0643987	9.10637	42075	•169099
3.45	.37504	.01129669	0301209	.61241	2.1128100	.0638398	9.21699	.42028	.167257
3.46	.37369	.01111121	.0297338	.61130	2.1151010	.0628901	9.32665	.41981	,165434
3.47	-57234	.01092889	0293520	.61020	2.1173790	.0621493	9.43801	41935	.163630
3.48	-37099	.01074970	.0289753	.60909	2.1196450	.0614174	9.55049	41889	.1618 46
3.49	.36966	.01057358	0288038	.60798	2.1218980	.0606943	9.66426	.41844	.160081

TABLE I. - Continued. SPECIFIC HEAT, 1.28

M	$ exttt{T/T}_{ exttt{t}}$	$_{ m p/p_{t}}$	$ ho/ ho_{ m t}$	a/a_t	$V/a_{\mathbf{t}}$	ρ_{V}/ρ_{t} a _t	A/A _¥	M_2	$\mathbf{p_{t_2}/p_{t_1}}$	12
3.50	.36832	.01040048	.0282373	.60690	2.1241400	.0599799	9,77937	.41798	.158334	LO
3.51	36700	.01023032	.0278757	.60580	2.1265690	.0592740	9.89582	.41753	.156607	
3.52	36568	.01006309	.0275191	.60471	2.1285870	.0585767	10.01363	.41709	.154697	
3.53	36436	.00989869	.0271672	60362	2.1307920	.0578877	10.13282	.41.665	.153206	
3.54	36305	.00973713	.0268202	.60254	2.1329850	.0572071	10.25337	.41621	.151534	
3.55	36175	.00957833	.0264779	.60146	2,1351670	.0565346	10.37532	.41577	.149879	
3.58	36045	.00942223	.0261401	.60038	2,1373370	.0558703	10.49871	.41534	.148242	
3.57	-35916	.00926877	.0258069	.59950	2.1394950	.0552137	10.62353	.41491	.146624	
3,58	35787	.00911794	.0254782	.59822	2.1416420	.0545653	10.74979	41449	.145021	
3.59	35659	.00896970	.0251540	.59715	2.1437770	.0539246	10.87748	.41406	.143438	
3.60	.35532	.00882399	.0248342	.59608	2.1459010	.0532918	11.00668	.41.364	.141871	
3.61	35405	.00668074	.0245187	.59502	2.1480130	.0528685	11.13735	.41323	.140320	
3.62	.35278	.00853994	.0242075	.59395	2.1501140	.0520488	11.26952	41281	.138787	
3.63	35152	.00840154	.0239004	.59289	2.1522040	.0514386	11.40322	.41.240	.137270	
3,64	35027	.00826548	.0235975	.59184	2.1542820	.0508356	11.53845	.41200	.135770	
3.65	34902	.00813175	.0232987	.59078	2.1563500	.0502401	11.67525	.41159	.134286	
3.66	34778	.00800026	.0230038	.58973	2.1584060	0496516	11.81362	.41119	.132819	
3.67	-34654	.00787104	.0227130	.58868	2.1804520	.0490704	11.95352	.41 079	131367	
3.68	34531	.00774397	.0224261	.58763	2.1624860	0484960	12.09509	.41040	.129931	
3.69	-34409	.00761909	.0221430	.58659	2.1645100	.0479287	12.23826	.41000	.128512	
3.70	-34287	.00749633	.021,8638	.58555	2.1665230	.0473684	12.38304	.40961	.127107	
3.71	34185	.00737564	.0215883	.58451	2.1685250	.04681,48	12.52948	.40923	.125718	
3.72	34044	.00725698	.0213165	.58347	2.1705170	.0462678	12.67760	.40884	.124344	
3.73	-33924	.00714034	.0210483	.58244	2.1724980	.0457275	12.82742	.40846	.122985	
3.74	.33804	.00702567	.0207838	.58141	2.1744690	.0451937	12.97889	.40808	.121642	
3.75	33684	.00691294	.0205228	,58038	2.1764290	.0446664	13.13212	.40771	.120313	
3.76	.33565	.00680213	.0202653	.57936	2.1783790	0441456	13.28707	.40733	.118998	
3.77	.33447	.00669317	.0200113	.57853	2.1803180	.0436310	13.44379	.4 0696	.117699	
3.78	-33329	.00658606	.0197607	.57731	2.1822470	.0431.227	13.60226	.40659	.116414	
3.79	.33212	.00648073	.0195133	.57630	2.1841660	.0426205	13.76251	.40623	.115142	
3.80	.33095	.00637721	.0192694	.57528	2.1860750	.0421.243	13.92462	·40586	.11.3885	
3.81	.32979	.00627542	.0190287	.57427	2.1879740	.0416342	14.08851	.40550	.112642	
3.82	-32863	.00617534	.0187912	.57326	2.1898630	.0411501	14.25426	40515	.11141.3	
3.83	-52748	.00607695	.0185569	.57228	2.1917420	.0406718	14.42189	.40479	.1101,97	
3.84	.32633	.00598022	.0183257	.57),25	2.1936110	0401994	14.59139	.40444	.108994	
3.85	.32519	.00588510	.0180976	.57025	2.1954700	0397327	14.76278	.40409	.107805	
3.86	32405	.00579159	.0178725	.56925	2.1973200	.0392717	14.95608	.40374	.106629	
3.87	32292	.00569963	0176504	.56826	2.1991600	.0388161	15.11134	40339	.105466	
3.88	.32179	.00560924	.0174314	.58727	2.2009900	.0383882	15.28859	.40305	104516	
3.89	.32067	00552034	0172152	.56628	2.2028110	.0379217	15.46779	.40271	.103179	뉟
3.90	-31.955	.00543294	0170018	,56529	2.2046220	-0374826	15.64899	-40237	.102065	NACÁ
3.91	-31844	.00534700	.0167914	-56 43 0	2.2064240	.0370488	15.83220	.40204	100943	₩.
3.92	-31733	.00526250	.0165837	.56332	2.2082160	.0366204	16.01747	.40170	.099843	
3.93	-31623	.00517941	.0163788	.56234	2.2099990	.0361970	16.20475	.401.57	.098756	MI
3.94	-31513	.00509771	.0161766	.56136	2.2117720	.0357789	16.39414	40104	.097681	
3.95	-31404	.00501737	.0159771	.56039	2.21.35570	.0353658	16.58563	40072	.09661B	S
3.96	31295	.00495837	.0157802	.559 4 2	2.2152920	.0349577	16.77926	40039	.095566	3981
3.97	31186	.00486069	.0155859	.55845	2.21,70380	.0345546	16.97499	.40007	.094527	_
3.98	-31079	.00478430	.0153942	.55748	2.2187750	.0341563	17.17291	.39975	.093499	
3.99	.30971	.00470919	.0152051	.55652	2.2205030	.0337630	17.37305	-39943	.092483	

TABLE I Continued.	SPECIFIC	HEAT,	1.28
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					ODITOTHUE	G. DLECTATC	DEAT, 1.20		
M	T/T _t	p/p _t	ρ/ ρ ቲ	a/a _t	v/a_t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _#	M ₂	$p_{\mathbf{t}_2}/p_{\mathbf{t}_1}$
4.00	30864	.00463532	.0150184	.55556	2,2222220	.0333743	17.57532	.39911	-091478
4.01	.30758	.00458268	.0148343	55460	2.2239320	0329904	17.77988	.39880	.090484
4.02	.30652	00449125	.0146525	.55364	2.2256340	.0326111	17.98669	39849	.089501
4.03	30546	.00442099	.0144731	.55269	2.2273260	.0322364	18.19572	.39818	.088530
4.04	30441	.00435192	.0142982	.55174	2.2290110	.031.8663	18.40708	•39787	.087568
4.05	30337	00428398	0141215	.55079	2.2306850	.0315006	18.62075	39757	.086619
4.06	30232	.00421717	.0139491	.54984	2.2323520	.031.1394	18.83676	.39726	.085679
4.07	.301.29	.00415146	.0137791	•54890	2.2340100	.0507825	19.05513	•39696	.084750
4.08	50026	.00408684	.0136112	.54796	2.2356600	.0304300	19.27587	.39668	.083832
4.09	.29923	.00402329	0134456	•5 4 702	2.2373010	.0300818	19.49902	.39636	.082923
4.10	.29820	.00396078	.0132821	-54608	2.2389330	.0297577	19.72461	.39807	.082026
4.11	29719	00389933	0137508	54515	2.2405580	-0293978	19.95264	•39578	.081138
4.12	.29617	.00383885	.0129616	.54422	2.2421740	.0290620	20.18315	•39548	.080260
4.13	29516	.00377938	.0128044	.54329	2.2437810	.0287303	20.41621	.39520	.079392
4.14	.29416	.00372090	.0126494	•5 4 236	2 2453810	.0284026	20.65175	•39491	•078534
4.15	29316	.00366338	.0124963	.54144	2.2469720	0280789	20.88989	•39 4 62	.077685
4,16	.29216	.00360680	.0123453	54052	2.2485550	.0277591	21.13055	39434	
4.17	.29117	.00355116	.0121963	53960	2.2501310	.0274432			•07 684 6
4.18	29018	00349841	.0120491	.53868	2.2516980	.0271310	21.37387 21.61971	•39406 •5077.8	.076016
4.19	.28920	00344257	.0119039	.53777	2.2532570	.0268226	21.86831	.39378 .39350	.075196
4.20	28822	00338963	-0117607	•5 36 86	2.2548080	.0265180	22.11953		.074384
4.21	28724	00333753	.0116192	•53696	2.2563520	.0263160		.39322 7000F	•073582
4.22	28627	.00328629	-0114796	.53504	2.2578870		22.37351	•39295 ***********************************	.072789
4.23	28531	.00323689	.0113418	.53414		40259196	22.63011	.39267	.072005
4.24	·28434	.00318631	0112058	.53324	2.2594150 2.2609350	.0256259 .0253356	22.88958	.39240	.071230
4.25	28339	.00313755	.0112036	.53234			23.15172	.39213	.070463
4.28	.28243	.00308957	.0109391	.53144	2.2624480 2.2639520	.0250489 .0247657	23.41678	.39186	.069705
4.27	28148	.00304238	.0109391	.53055			23.68463	.39160	•0 6 8956
4.28	28054	.00299596	0106793	.52966	2.2654490 2.2669390	.0244858	23.95528	.39133	.068214
4.29	27960	.00295029	0105519	.52877		.0242094	24.22889	.39107	.067482
4.30	27866	.00290536			2.2684210	•0239362	24.50539	.39081	•06 6 75 7
4.31	.27773	.00286116	.0104262 .0103020	.52788	2.2698960	.0236683	24.78482	•39055	.0660 <u>41</u>
4.32	.27680			.52700	2.2713630	.0233997	25.06720	.39029	.065333
4.33	.27587	.00281768 .00277490	.0101795 .0100566	.52612 .52524	2.2728230 2.2742760	.0231362 .0228760	25.36265	•39004	-064633
4.34	·27495	.00277490	.0099392	.52438			25.64107	. 38978	•0639 4 0
4.35	27404				2.2757210	.0226189	25.93257	.38953	.063256
4.36	.27312	.00269142	.0098214	.52348	2.2771590	.0223649	26.22714	.38928	.062579
	.27222	.00265068	•0097050	.52261	2.2785900	.0221138	26.52476	.38903	.061909
4.37 4.38	.27131	.00261060	.0095902	.52174	2.2800140	.0218658	26.82562	-38878	.061248
		.00257117	.0094769	.52087	2.2814310	.0216208	27.12958	.38853	•060593
4.39	.27041 .26951	•00253238	.0093650	.52001	2.2828400	.0213788	27.43680	.38829	.059946
4.40		.00249421	.0092545	.51915	2.2842430	.0211396	27.74721	.38805	.059307
4.41	.26862	.00245666	.0091455	.51829	2.2856390	.0209033	28.06089	.38780	-058674
4-48	•26775	.00241971	.0090378	.51743	2.2870270	.0206698	28.37786	.38756	.058049
4.43	•28685	.00238335	.0089316	•51657	2.28841.00	.0204391	28.69811	.38732	.057430
4.44	·26596	.00234758	.0088267	.51572	2.2897840	.0202112	29.02179	.38709	-056819
4.45	.26509	.00231238	.0087231	-51467	2.2911520	.0199860	29.34886	•38685	.056214
4.46	·26421	.00227775	.0086209	.51402	2.2925140	.0197635	29.67929	.38662	•055617
4.47	-26334	•00224367	.0085199	•51317	2.2938690	.0195436	30.01316	.38638	.055025
4.48	.26248	.00221013	.0084203	.51233	2.2952170	.0193264	30.35052	.38615	.05444]
4.49	•26161	.00217713	•008321,9	.51148	2.2965580	.0191117	30.69141	.38592	.053883

TABLE I. - Continued. SPECIFIC HEAT, 1.28

M	T/T _t	$p/p_{\rm t}$	$\rho/\rho_{\rm t}$	a/a _t	V/a _t	$\rho_{\rm v}/\rho_{\rm t}$ a _t	A/A ₄	M ₂	$p_{\mathrm{t}_2}/p_{\mathrm{t}_1}$	
	_	_		•	•	- •		_		14
4.50	26076	.00214466	.0082248	.51064	2.2978930	_0188996	31.03578	.38569	.053292	
4.51	.25990	.00211271	.0081289	.50981	2.2992210	.0186901	31.38381	.38547	.052727	
4.52	.25905	.00208128	.0080342	50897	2.3005430	.0184830	31.73538	,38524	.052168	
4.53	.25820	.00205032	0079407	.50814	2.3018580	.0182784	32.09060	,38501	.051616	
4.54	.25736	.00201986	.0078484	.50731	2.3051670	.0180762	32,44952	.38479	.051070	
4.55	.25652	00198989	.0077573	.5064 <i>B</i>	2,3044700	.0178785	32.81207	.38457	.050530	
4.58	.25568	.00196041	0076674	.50565	2,3057660	.0176791	33.17846	.38435	.049996	
4.57	.25485	.00193138	.0075785	.50483	2.3070550	.0174841	33.54856	.38413	.049468	
4.58	.25402	.00190282	.0074908	.50400	2,3083390	.0172913	33,92247	.38391	,048945	
4.59	.25319	.00187471	.0074042	.50318	2.3096160	.0171009	34.30024	.38369	.048429	
4.60	.25237	.00184704	.0073187	.50237	2,3108870	.0169127	34.68191	.38348	.047919	
4.61	.25155	.00181981	.0072343	.50155	2,3121510	.0167268	35.067 44	.58327	.047414	
4.62	.25074	.00179301	.0071509	.50074	2.3134100	.0165430	35.45701	.38305	.046915	
4.63	.24995	.00176663	.0070686	.49993	2,3146620	.0163614	35.85050	.38284	.046421	
4.64	.24912	.00174067	.0069873	.49912	2.3159090	.0161820	36.24800	,38263	.045933	
4.65	.24831	.00171513	.0069071	.49831	2.3171490	.0160047	36.64959	.38242	,045451	
4.66	.24751	.00168997	.0068278	.49751	2.3183840	.0158295	37.05519	.38221	.044974	
4.67	.24672	.00166522	.0067496	.49670	2.3196120	.0156565	37.46503	.38201	.044502	
4.68	.24592	.00164085	.0066723	.49590	2.3208340	.0154852	37.87897	.38180	.044036	
4.69	.245].3	.00161687	.0065960	.49511	2.3220510	.0153162	38.29704	.38160	.043574	
4.70	.24434	.00159327	.0065206	.49431	2.3232620	.0151491	38.71953	.38139	.043118	
4.71	.24356	.00157003	.0064462	.49352	2,32 44 670	.0149840	39.14616	,38119	.042667	
4.72	.24278	.00154716	.0063727	49273	2.3258660	.0148208	39.57720	.38099	.042221	
4.73	.24200	.00152464	.0063001	.49194	2,3268600	.0146595	40.01252	.38079	.041780	
4.74	.24123	.00150248	.0062285	.49115	2,3280470	.0145002	40.45226	.38059	.041344 .040912	
4.75	.24046	.00148066	.0061577	.49036	2,3292290	.0143427	40.89644	.38040		
4.76	.23969	.00145918	.0060878	.48958	2.3304050	.0141870	41.34511	.38020	.040486 .040064	
4.77	23893	.00143804	.0060188	. 4 8880	2.3315760	.0140332	41,79830	.38001		
4,78	.23816	.00141722	.0059506	.48802	2.3327410	.0138812	42,25598	.37981	_039647	
4.79	.23741	.00139674	.0058833	.48724	2,3339010	.0137310	42.71827	.37962	.039235 .038827	
4.80 4.81	.23665 .23590	.00137656	.0058168	.48647	2.3350550	.0135926	43,18519	.37943 .37924	.038424	
4.82	.23515	.00135670	.0057511	.48570	2.3362030	.0134358	43.65680		.038025	
4.93	.23441	.00133715	.0056863	.48493	2.3373460	.0132908	44.13315	.37905	.037631	
4.84	.23367	.00131790	.0056222	.48416	2.3384840	.0131475	44.61418	.37886	.037241	
4.85	.23293	.001,29895	.0055590 .0054965	.48339 .48263	2.3396160	.0130059 .0128659	45.10012 45.59080	.37868	.036855	
4.86	.23219	.00126029		.48187	2,3407430			.37849	.036474	
4.87	.23146	.00124384	.0054348 .0053738	.48110	2,3418640	.0I27275	46.08640 46.58694	.37830	.036097	
4.88	.23073	.00122505	,0053136	.49035	2.3429810	.0125908	47.09232	.37812	.035724	
4.89	.23001	.00120850		.47959	2.3440910	.0124556		.37794	.035355	Ħ
4.90	.22928	.00119123	.0052542	.47884	2.3451980	.0123221	47.60286	.37776	.034990	₽
4.91	.22856	.00119123	.0051954	.47808	2,3462980	.0121900	48,11837	.37758	.034623	NACA
4.92	.22785	.00117423	.0050807	.47733	2.3473930	.0120595	48.63908	.37740	.034273	
4.93	.22713	.00115749		.47753 .47659	2.3484830	.0119306	49.16486	.37722	.033920	旦
4.94	.22642	.00112478	.0050235 .0049676	.47584	2,3495680	.0118031	49.69584	.37704 #7696	.033571	
4.95	.22572	.00110880			2.3506480	.0116771	50,23194	.37686	.033228	었
4.96	.22501	.00109307	.0049124	.47510 .47435	2.3517230	.0115526 .0114295	50.77358	.37669	.032885	3981
4.97	.22431	.00109307	.0048039	.47361	2,3527930		51.32030	.3765 <u>1</u>	.032548	r
4,98	.22361	.00107757	.0047507	.47268	2.3538580 2.3549180	.0113078 .0111876	51.87256 52.43010	.37634 .37617	.032214	
4.99	.22292	.00104729	.0046981	.47214	2.3559730	.0110687	52.99311	.37599	.031884	

TABLE I. - Continued. SPECIFIC HEAT, 1.28

				- -	V					
M	T/T _t	p/p_t	p/pt	a/a_t	V/a _t	$ ho_{ m v}/ ho_{ m t}$ a _t	A/A _*	M2	${ m p_{t}}_{2}/{ m p_{t}}_{1}$	NACA
5.00	.22222	.00103249	.0046462	.47140	2.3570230	.0109512	53.56166	.37582	.031557	ŭ
5.01	.22153	.00101792	0045949	.47067	2.3580680	.0108351	54.13577	.37565	.031235	
5.02	.22085	.00100357	0045442	.46994	2.3591080	.0107205	54.71550	.37548	.030916	Ŋ
5.03	.22016	.00098943	0044941	.46921	2.3601430	.0106068	55.30087	,57532	.030600	2
5.04	.21948	.00097551	,0044447	.46849	2.3611740	.0104946	55.89198	.37515	.030288	Ó
5.05		.00096181	.0043958	.46778	2.3622000	.0103837	56.48871	.37498	.029979	<u> </u>
5.06	.21880 .21813	.00094831	.0043475	.46704	2.3632210	.0102741	57.09138	.37482	.029675	3981
		.00093501	.0042998	.46632	2,3642370	.0101658	57.89976	.37465	.029371	•
5.07 5.08	.21745	.00092192	,0042527	.46560	2,3652500	.0100587	58.31421	,37449	.029072	
	.21678	,00090902	,0042062	.46488	2,3662560	.0099528	58.93446	.37433	.028777	
5.09	.21612	.00089632			2,3672580	.0098482	59.56071	.37417	.028485	
5.10	,21545		.0041602	.46417		.0097447	60.19303			
5.11	,21479	.00088380	.0041147	.46346	2.3682560	.0096424	60.83145	.37401 .37385	.028 <u>1</u> 96	
5.12	.21413	.00087148	.0040698	.46274	2.3692490 2.3702380	.0095414	61.47600	.37569	.027910	
5.13	.21348	.00085935	.0040255	.46203		.0094414	62.12679	.37553	.027627	
5.14	.21262	.00084739	.0039817	.46133	2.3712220	.0093426	62.78384	.37537	.027348	
5,15	.21217	.00083561	.0039384	.46062	2.3722010				.027071	
5,16	.21152	.00082401	.0038956	.45992	2.3731760	.0092449	63,44719	.37321	.026797	
5.17	.21089	.00081259	.0038533	.45922	2.3741470	.0091484	64.11689	.37 50 6	.026527	
5.18	.21024	.00080133	.00381,16	.45852	2.3751130	.0090529	64.79288	.37290	.026259	
5.19	.20960	.00079025	.0037708	.45782	2.3760750	.0089585	65.47547	.37275	.025995	
5.20	20898	.00077933	.0037295	.45712	2.3770320	.0088652	66.16460	,37260	.025733	
5.21	.20833	.00076857	.0036893	.45643	2.3779860	.0087730	66.86013	.37245	,025474	
5,22	.20769	.00075797	.0036495	.45573	2.3789350	.0086818	67.56245	.37229	.025218	
5.23	20706	.00074753	.0036101	.45504	2.3798790	.0085917	68.27147	.37214	.024965	
5.24	.20644	.00073725	.0035713	.45435	2.3808190	.0085025	68.98706	.37199	.024714	
5.25	.20581	.00072711	.0035329	.45367	2.3817550	.0084144	69.70962	.57184	.024466	
5,26	.20519	.00071713	,0034949	45298	2.3826860	.0083273	70.43901	.37170	.024221	
5.27	.20457	.00070730	.0034574	.45250	2.3836140	.0082411	71.17514	.37155	.023978	
5.28	.20396	.00069761	.0034204	.45162	2.3845370	.0081560	71.91841	.37140	.023738	
5.29	,20534	.00068806	.0033837	45094	2,3854560	.0080718	72.66853	.37126	.023501	
5.30	.20273	.00067886	.0033476	.45026	2.3863710	.0079885	73.42587	.37111	.023267	
5.31	.20212	.00066940	.0033118	.44958	2.3872820	.0079062	74.19036	.37097	.023034	
5,32	.20152	.00066027	.0032765	.44891	2.3881880	.0078248	74.98205	.57082	.002805	
5,33	.20091	.00065127	.0032416	,44823	2.3890900	.0077444	75.74079	.37068	.022578	
5.34	.20031	.00064241	.0032070	.44756	2.3899890	.0076648	76.52719	.37054	.022353	
5,35	.19971	.00063768	.0031729	.44699	2.3908840	.0075861	77.32079	.37040	,022131	
5.36	19912	.00062508	.0031392	.44623	2,3917740	.0075083	78.12162	.37026	.021911	
5,37	.19852	.00061660	,0031059	.44558	2.3926610	.0074314	78,93011	.37012	.021695	
5,38	.19793	.00060825	.0030730	.44490	2.3935430	.0073554	79.74615	.36998	.021478	
5,39	.19734	.00080002	.0030405	.44423	2.3944220	.0072802	80.56998	.36984	.021265	
5.40	.19 6 76	.00059191	,0030083	.44357	2.3952960	.0072058	81.40128	.36970	.021055	
5.41	.19617	.00058392	.0029766	.44291	2.3961680	.0071323	82.24050	.36957	.020646	
5.42	.19559	.00057605	.0029451	.44226	2.3970350	.0070598	83.08731	.36943	.020640	
5.43	.19501	.00056829	.0029141	.44160	2.3978970	.0069877	83.94217	.36929	.020436	
5.44	18444	.00056064	.0028834	.44095	2,3987570	.0069166	84.80474	.36916	.020235	
5.45	.19386	.00055310	.0028531	.44030	2.3996120	.0068463	85.87547	,36902	.020035	لما
5.46	.19329	.00054568	.0028251	.43965	2.4004640	.0067768	86.55425	.36889	.019838	15
5.47	.19272	.00053836	.0027935	.43900	2,4013120	.0067081	87.44112	.36876	.019643	
5.48	.19215	.00053115	.0027642	43855	2,4021560	.0066401	88.33615	.36063	.019450	
5.49	.19159	.00052404	.0027353	.43770	2,4029960	.0065729	89.25960	.36649	.01.9259	

TABLE I. - Concluded. SPECIFIC HEAT, 1.28

М	T/T _t	$_{ m p/p_t}$	$ ho/ ho_{ m t}$	$\mathbf{a}/\mathbf{a}_{t}$	V/a _t	ρ _v /ρ _t a _t	A/A*	${\tt M}_2$	$\mathbf{p_{t_2}/p_{t_1}}$	16
5,50	.19102	.00051704	.0027067	.43706	2.4038330	.0065065	90.15116	.36836	.019070	တ
5.51	.19046	.00051014	.0025784	.43642	2.4046660	.0064407	91.07128	.36823	.018882	
5.52	.18990	.00050555	.0026505	.43578	2.4054960	.0063757	91.99981	.36810	.018698	
5.53	.18935	00049663	.0026229	43514	2.4063210	.0063114	92,95685	.36798	.018515	
5.54	.18879	.00049002	.0025956	.43450	2,4071440	.0062479	93,88241	.36785	.018334	
5.55	.18824	00048351	,0025686	.43397	2.4079620	.0061850	94.83660	.36772	.018154	
5.56	.18769	.00047709	.0025419	.43323	2.4087770	.0061228	95.79972	.36759	.017977	
5.57	.18714	00047076	.0025155	.43260	2.4095880	.0060613	96.77136	.36747	.017802	
5.58	.18660	00048453	.0024894	.43197	2.4103960	.0060005	97.75204	.36734	.017628	
5,59	.18606	.00045838	.0024637	.43134	2.4112000	.0059404	98.74160	.36722	.017457	
5.60	.18552	.00045232	.0024382	.43071	2.4120010	.0058809	99.74037	.36709	.017287	
5.61	.18498	.00044635	.0024130	.43009	2.4127980	.0058221	100.74820	.36697	.017119	
5.62	.18444	.00044046	.0023881	.42946	2.4135920	.0057639	101.76480	.56685	.01.6953	
5,63	.18391	.00043466	.0023635	.42884	2,4143830	.0057064	102.79090	.36672	.01.6788	
5.64	,18337	.00042894	0023392	.42822	2.4151700	.0056495	103.82620	.36660	.016626	
5,65	.18284	.00042330	.0023151	.42760	2.4159540	.0055932	104.87100	.36648	.016465	
5.66	.18232	.00041775	.0022913	.42698	2.4167330	.0055375	105.92530	.36636	,016305	
5,67	.18179	.00041227	.0022678	.42637	2.4175100	.0054825	106.98900	.36624	.016148	
5.68	.18127	.00040687	.0022446	42575	2.4182840	.0054280	108,06229	.36612	.015992	
5.69	.18075	.00040154	.0022216	.42514	2.4190540	.0053742	109.14520	36600	.015837	
5.70	,18023	.00039629	.0021989	.43453	2,4198200	.0053209	110.23790	36588	.015685	
5.71	.17971	.00039112	.0021764	.42392	2,4205840	.0052682	111.34040	.36577	.015534	
5.72	.17919	.00038602	.0021542	.42331	2,4213440	.0052161	112.45300	.36565	.015384	
5,73	.17868	.00038099	.0021323	.42271	2.4221010	.0051645	113.57520	.36553	.015236	
5.74	.17817	.00037603	,0021106	.42210	2,4228550	.0051136	114.70780	.36542	.015090	
5.75	.17766	.00037115	.0020891	.42150	2.4236050	.0050631	115.95030	.36530	.014945	
5.76	.17715	.00036633	.0020679	.42089	2.4243520	.0050132	117.90310	.36519	.014802	
5.77	.17665	.00036158	.0020469	.42029	2.4250960	0049639	118.16620	.36507	.014660	
5.78	.17614	.00035689	.0020261	.41.970	2.4258370	.0049151	119.33950	.36496	.014520	
5.79	.17564	.00035229	.0020056	.41910	2.4285750	.0048668	120.52340	.36485	.014331	
5.80	.17514	.00034772	.0019853	.41850	2.4273090	.0048191	121.71780	.36473	.014243	
5.81	.17465	.00034323	.001,9653	.41791	2.4280410	.0047718	122.92290	.36462	.014107	
5.82	.17415	.00033880	.0019455	41731	2.4287690	.0047251	124,13860	.36451	.013973	
5,83	.17366	.00033444	.0019259	.41672	2.4294950	.0046789	125.36500	36440	.013840	
5.84	17317	.00033014	.0019065	.41613	2,4302170	.0046331	126.60250	36429	.013708	
5.85	17268	.00032589	.0018873	.41554	2.4309360	.0045879	127.85040	.36418	.013578	
5.86	.17219	.00032171	.0018685	.41496	2.4316530	.0045431	129,10980	.36407	.013449	
5,87	.17170	.00031758	.0018496	.41437	2.4323650	.0044989	130.38030	.36396	.013321	
5.88	.17122	.00031351	.0018311	.41379	2.4330750	.0044551	131.66180	.36385	.013195	
5.89	17074	.00030950	.0018127	.41321	2.4337820	.0044118	132.95470	.36375	.013070	ы
5.90	17026	.00030554	.0017946	.41262	2.4344650	.0043689	134,25890	.36364	.012946	NACA
5.91	,16978	.00030164	.0017767	.41205	2,4351870	.0043285	135.57470	.36353	.012824	IJ
5.92	.16931	.00029780	.0017589	.41147	2.4358850	.0042846	136,90180	.36343	.012702	
5,93	.16883	.00029400	.0017414	.41089	2,4365800	.0042431	138.24050	.36332	.012583	벎
5.94	.16836	.00029026	.0017241	.41032	2.4372720	.0042030	139.59140	.36322	.012464	
5.95	.16789	.00028657	.0017069	.40974	2.4379620	.0041614	140.95360	.36311	,012346	3981
5.96	.16742	.00028293	.0016500	40917	2.4386480	.0041212	142.32780	.36301	.012230	ä
5.97	16695	.00027934	.0016732	40860	2.4393310	.0040815	142.71390	.36290	.012115	F
5.98	.16649	.00027580	.0018566	.40803	2.4400120	.0040421	145.11220	.36280	.012001	
5.99	.16602	.00027231	.0016403	.40746	2.4406900	.0040032	146.52250	.36270	.011899	
6.00	.16556	.00026887	.0016240	40689	2,4413650	.0039647	147.94520	.56260	.011777	
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TABLE II. - SPECIFIC HEAT, 1.30

					TAL	MTR TT DL	ECLFIC BEAT	1.50			
M		T/T _t	p/p_{t}	ρ/ρ_{t}	a/a_t	V/a_t	$\rho_{ m v}/\rho_{ m t}$ at	A/A _*	$M_{\mathbf{Z}}$	$_{\mathrm{p_{t_2}/p_{t_1}}}$	NACA
٠٥.	00	1.00000	1.00000000	1.0000000	1,00000	.0000000	.0000000				ς
	01	.99999	.99993530	9999504	.99999	.0099999	.0099994	58.52818			
	.02	99994	.99973990	,9998000	.99997	.0199994	.0199953	29.26813			译
	03	99987	99941560	9995506	.99993	.0299979	.0299844	19.51771			
	04	99976	.99896090	.9992007	99988	.0399952	.0399632	14.64418	•		55
	05	99963	.99837620	9987507	.99981	.0499906	.0499281	11.72140			3981
	06	,99946	.99768400	.9982028	.99973	,0599838	.0598759	9.77400			_
	.07	,99927	.99682130	.9975541	. 99963	.0699742	.0698031	8.38398			
	.08	.99904	.99585110	.9968072	,99952	.0799616	.0797063	7.34231			
	.09	.99879	.99475270	.9959614	.99939	.0899453	.0895821	6.53287			
	1.0	.99850	.99352570	.9950161	.99925	.0999250	.0994270	5.88600			
	11	.99819	.99217350	.9939744	.99909	.1099004	.1092381	5.35737			
	.12	.99784	.99069350	.9928335	.99892	.1198707	.1190116	4.91740			
	13	.99747	.98908980	.9915971	.99673	.1298356	.1287446	4.54566			
	.14	.99707	.98735910	.9902621	, 99855	.1397947	.1384334	4.22751			
	.15	.99664	.98550560	.988831 <i>7</i>	.99632	.1497476	1480751	3.95224			
•	.16	.99617	98352910	.9873059	.99809	.1596937	1576665	3.71181			
,	.17	.99568	.98143040	.9856650	.99784	.1696328	.1672045	3.50008			
	. 18	.99516	.97920990	.9839690	.99758	.1795642	.1766858	3.31226			
•	.19	.99461	.97687080	.9821606	.99730	.1894877	.1861073	3,14458			
	.20	99404	.97441080	.9802574	,99701	.1994027	.1954660	2.99401			
	.21	99343	.97183380	.9782626	.99671	.2093069	.2047591	2.85813			
	.22	.99279	.96914000	.9761761	.99639	.2192058	.2139834	2.73493			
	.23	.99213	.96633100	.9739989	.99606	.2290929	.2231362	2.62274			
	. 24	.99143	.96340720	.9717311	.99571	2589699	.2322145	2.52021			
	.25	.99071	.96037140	.9693750	99535	.2488364	.2412157	2,42616 2,33963			
	.26 .27	.98996 .98918	.95722290	.9669292	99497	.2586918	.2501368	2.25978			
	.28	98838	,95396600 ,95059950	.9843977	.99458 .99417	.2685358 .2785680	.25897 5 3 .267728 4	2.18590			
	.29	.98754	.94712670	.9617788 .9590748	.99375	.2881880	.2765938	2.11737			
	.30	.98668	94354710	.9562851	.99332	.2979953	.2849685	2.05366			
	.31	.98579	.93986480	.9534131	.99287	.3077896	.2934506	1.99430			
	.32	98487	.93608090	.9504592	99241	.3175704	.3018377	1.93888			
	.33	98393	.93219510	9474226	99193	.3273373	.5101268	1.88708			
	34	98296	.92821160	9443068	99144	3370901	.3183164	1.83851			
	,35	.98196	.92412970	.9411107	.99094	3468281	.3264038	1.79296			
	,36	.98093	.91995380	.9378378	.99042	.3565511	.3343870	1.75015			
	.37	.97988	.91568440	.9344881	.98989	.3662586	.3422643	1.70987			
	.38	.97880	.91132290	.931,0623	.98934	.3759503	.3500331	1.67192			
	.39	.97769	.90687200	.9275624	.98878	.3856258	.3576920	1.63612			
	.40	.97656	.90233270	.9239888	.98821	.3952848	.3652387	1.60232			
	.41	.97541	.89770890	.9205447	.98763	.4049267	.3726721	1.57036			
	.42	.97422	.89299990	.9166288	.98703	.4145513	.3799896	1.54012			
	.43	.97301	.88820930	.9128439	,98641	.4241,583	.3871902	1.51148			
	.44	.97178	.88333780	.9089301	.98579	.43 37 4 71	.3942718	1.48433			
	.45	.97052	.87838940	.9050706	.9851.5	.4433175	.4012536	1.45857			17
	.46	.96924	.87336420	.9010849	.98450	.4528691	.4080735	1.43412			-7
	.47	-,96793	.86826560	.8970357	, 98383	.4624017	.4147907	1.41090			
	.48	.96859	.86309520	.8929259	.98316	.4719148	.4213838	1.38882			
	.49	.96524	.85785550	.0887513	.98246	.4814078	4278517	1.36783			

M	T/T _t	p/p _t	$ ho/ ho_{ m t}$	a/a_{t}	$ exttt{V/a}_{ exttt{t}}$	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _*	\mathbf{M}_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	18
0.50	.96386	.85254700	.8845176	-98176	·4908808	.4341926	1.34785			
.51	.96245	.84717350	.8802261	981.05	.5003332	4404063	1.32884			
•52	.961.02	84173630	.8758772	.98032	. 5097 64 8	.4464913	1.31073			
•53	.95957	.83623710	.8714720	.97958	.5191752	.4 52 44 66	1.29347			
.54	.95809	.83067930	.8670133	.97882	. 5285641	4582720	1.27703			
.55	.95659	.82506390	.8625013	.97806	•5379311	.4 639682	1.26156			
.56	•95507	.81939330	.8579377	.97728	•5472760	·4695287	1.24642			
•57	.95353	.81367000	.8533243	.97649	.5565985	.4749589	1.23217			
•58	.95196	.80789620	.8486627	.97569	. 5658982	.48 02566	1.21857			
•59	•95038	.80207300	.8439534	.97487	.575 <u>1</u> 748	.4 854206	1.20561			
-60	.94 877	.79620350	.8391986	.97405	.58 44 280	4904511	1.19325			
-61	.94714	.79028960	.8343997	.97321	5936575	4953476	1.18145			
•62	•94548	.78433260	.8295573	.97236	.602863L	.5001094	1.17020			
-63	•9 4 381	-7783359 0	.8246742	.97150	6120444	.5047372	1.15947			
•64	•9 4 212	.77230120	.8197515	.97063	.6212012	.5092306	1.14924			
-65	.94 0 4 0	.76622900	.8147889	.96974	6303332	.5135884	1.13949			
•66	93867	•760 <u>1</u> 2400	.8097906	.96885	.6394401	-5178125	1.13019			
•67	.93691	.75398670	8047565	. 9679 4	.6485217	.5219019	1.12134			
. 68	•93514	.74781900	.7996878	.96703	-6575775	.5258567	1.11290			
-69	•93335	.74162330	.7945864	.96610	.6666076	.5296773	1.10488			
•70	•93153	.73540180	.7894539	96516	.6756116	•5333641 •***	1.09724			
.71	.92970	.72915620	.7842914	.9642l	.6845891	.5369173	1.08998			
.72	92785	.72288860	.7791005	.96325	.6935400	.5403373	1.08308			
.73	.92598	.71660040	.7738819	.96228	.7024640	.5436241 E467700	1.07653			
.74	.92409	-71029410	.7686378	.96130	•7 <u>11</u> ,3609	.5467788 .5498024	1.07032 1.0 644 3			
•75	.92219	•70397230	.7633701 7500700	.96031	.7202305 .7290726	.5526945	1.05886			
.76	.92027	.69763570	.7580789	.95931 .95829	•7378869	.5554566	1.05360			
•77	.91833	.69128710	.7527668	.957 <i>2</i> 7	.7466732	.5580887	1.04863			
.78	.91637 .91440	.68492730 .67855830	.7474539 .7420816	.95624	.7554312	.5605916	1.04395			
.79	91241	.67218350	.7367132	95520	.7641608	.5629673	1.03954			
.80 .81	91040	•66580210	.7313271	.95415	.7728618	.5652147	1.03541			
.es	90838	-6594183C	.7259273	.95309	.7815339	.5675367	1.03154			
•83	.90634	.65303230	.7205135	.95202	.7901771	.5693332	1.02792			
.84	90429	•64664630	.7150874	95094	.7987910	.5712053	1.02455			
.85	.90222	64026200	7096505	94985	.8073755	5729544	1.02142			
.86	.90014	63388060	.7042034	.94876	8159305	.5745810	1.01853			
.87	89804	.62750400	.6987478	.94765	8244557	.5760866	1.01587			
.88	.89593	62113460	6932857	94654	.8329510	.5774730	1.01343			
.89	.89380	61477200	.6878162	.94541	.8414162	.5787397	1.01121			Ħ
.90	.89166	60841950	.6823425	.94428	.8498512	.5798898	1.00921			NACA
.91	.88951	60207850	.6768658	94514	.6582558	.5809239	1.00741			≽
.92	.88734	.59574880	.6713852	94199	.8666297	5818424	1.00582			
.93	88516	58943350	.6659038	.94083	.874973L	. 5826477	1.00443			MI
.94	.88297	+5833.3330	.6604219	•93 96 7	.8832855	.583341C	1.00323			(A
.95	.88077	•57685030	6549415	.93849	. 893.5670	.5839241	1,00223			3981
•96	. 87855	57058430	6494620	.93731	.8998173	.5843971	1.00142		•	87
.97	.87632	. 56 4 33850	6439865	.93612	.9080364	.5847631	1.00080			•
.98	.87408	55801270	.6385145	.93492	.9162241	.5850223	1.00035			
.99	.87183	•55190870	.6330476	.93372	9243803	. 5853.767	1.00009			

NACA TN 3981

TABLE II.	-	Continued.	SPECIFIC	HEAT,	1.30
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	•			7111/1112 TT.	- COHULINA	d. DEECIFIC	mean, T.SO		
M	$ extbf{T/T}_{ extbf{t}}$	$p/p_{ m t}$	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$ exttt{V/a}_{ exttt{t}}$	$\rho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A	M^{S}	$_{^{\mathrm{p}}\mathrm{t}_{2}}/_{^{\mathrm{p}}\mathrm{t}_{1}}$
1.00	.86957	.54572800	.6275873	.93250	.9525049	.5852282	1.00000	1,00000	1.000000
1.01	.86729	.53957070	.6221332	.93128	.9405977	.5851770	1.00009	.9901.2	.999996
1.02	.86501	53343930	6166878	.93006	9486586	.5850262	1.00035	.98049	.999989
1.03	.86271	52733440	.6112517	92882	.9566877	.5847770	1.00077	.97109	.999966
1.04	.86041	52125660	6058253	92758	.9646847	.5844305	1.00156	.96192	.999922
1.05	.85809	.51520730	.6004097	92633	9726496	5839883	1.00212	.95297	.999853
1.06	.85577	50918750	.5950060	92508	.9805823	.5834523	1.00304	.94422	.999747
1.07	85344	50319840	.5896152	92382	9884826	.5828243	1.00412	.93568	.999606
1.08	.851.09	49724060	.5842378	.92255	9963508	.5821057	1,00536	.92733	.999420
1.09	.84874	49131560	.5788754	92127	1.0041860	.5812986	1.00676	.91916	.999187
1.10	.84638	48542340	.5735278	.91999	1.0119890	.5804037	1.00831	.91120	.998904
1.11	84401	47956550	5681964	.9187C	1.0197590	.5794236	1.01002	.90540	.998569
1.12	.84164	47374240	.5629818	.91741	1.0274970	.5783595	1.01188	.89578	.996173
1,13	.83925	46795480	.5575845	.91611	1.0352020	.5772124	1.01389	.88832	.997713
1.14	.83886	.46220390	5523059	.91480	1.0428740	5759853	1.01605		
1.15	.83446	.45649050	5470468	.91349	1.0505130	.5746798	1.01835	.88102	.997192
1.16	.83206	.45081,470	.5418071	91217	1.0581190	.5732965	1.02081	.87388	,996808
1.17	.82964	.44517770	5365882	.91.0B5	1.0656930	.571.8380		.86688	.995945
1.18	.82723	43957950	.5313900	90952	1.0732330	.5705053	1.02542	.86004	,995215
1,10	.82480	.43402140	.5262140	-	1.0807400		1.02617	.85555	.994411
	.82237	42850360	.5210604	.90819		.5687006	1.02906	.84676	.993533
1.20	.81993	.42302730	5159304	•90685	1.0882140	.5670254	1.03210	.84033	.992578
1.21 1.22	.81749	.41759170	5108252	.90550	1.0956550	.5652818	1.03529	.83403	.991546
		.41219860	.5057409	.90415	1.1050650	.5634702	1.03861	.82785	,990452
1.25	.81504		.5006837	.90280	1.1104380	.561,5938	1.04208	.82179	.989241
1.24	.81259	.40684820	.4956515	.90144	1.1177800	.5596540	1.04570	.81585	.987964
1.25	.81013	.40154050		.90007	1,1250880	.5576516	1.04945	.81003	.986607
1.26	80766	.39627580	.4906449	.89870	1,1323630	.5555881	1.05335	.80432	.985168
1.27	.80520	.39105530	4856653	489733	1.1396050	.5534665	1.05738	.79872	,983645
1.28	.80272	•38587880 **********************************	.4807124	.89595	1.1468130	.5512874	1.06157	.79322	.982038
1.29	80025	,38074700	.4757871	.89457	1.1539890	.5490530	1.06569	.78783	.980350
1.30	.79777	.57565980	.4708895	.89318	1.1611310	.5467644	1.07035	.78253	.978576
1.31	.79528	.37061760	.4660201	.89179	1,1682400	.5444232	1.07495	.77734	.976719
1.32	.79280	.36562090	.461.1796	.89039	1.1753150	,5420514	1.07970	.77224	.974778
1.33	.79030	.36066980	.4563679	.88899	1.1823580	.5395900	1,08458	.76723	.9 72751.
1.34	.78781	.35576410	.4515856	.88759	1.1893670	.5371008	1,08961	.76232	.970642
1.35	.78531	55090490	.4488335	.88618	1.1963430	.5345661	1.09477	.75749	.968451
1.36	.78282	.34609180	.4421115	.88477	1.2032850	.5319864	1.10008	.75274	.966178
1.37	.78031	.34132480	.4374197	.88335	1.2101950	.5293830	1.10553	.74808	- 963823
1.38	.77781	.33660480	.4327593	.88194	1.2170710	.5266990	1.11112	.74351	.961384
1.39	.77531	.33193110	.4281297	.88051	1.2239150	.5239942	1.11686	.75901	.958868
1.40	.77280	.32730420	.4235316	.87909	1.2307250	,5212508	1.12274	.73459	.956271
1.41	.77029	.32272420	.4189654	-87766	1.2375020	,5184705	1.12876	.73024	.953592
1.42	.76778	.31819090	.4144309	.87623	1.2442460	.5156538	1,13492	.72597	.950636
1.43	.76527	.31370470	.4099289	.87479	1.2509570	.5128032	1.14123	.72177	.948008
1.44	.76275	.30926510	.4054589	.87336	1.2576350	.5099192	1.14769	.7176 4	.945098
1.45	.76024	.30487270	.4010219	.871.92	1.2642800	.5070038	1.15429	.71358	.942113
1.46	.75773	.30052720	.3966178	87047	1.2708920	.5040582	1.16103	.70958	.959057
1.47	.75521	29622850	.3922465	.86903	1.2774710	.501.0837	1.16793	.70566	.935923
1.48	.75269	.29197870	.3879086	.86758	1.2840180	.4980817	1.17497	.70179	.93271.9
1.49	.75018	.28777190	.3836043	.8661.3	1.2905320	.4950535	1.10215	.69799	.929446

TABLE II. - Continued. SPECIFIC HEAT, 1.30

M	$_{ m T/T_{t}}$	p/p _{t.}	$ ho/ ho_{ m t}$	a/a _t	7/a ₊ .	ρ _v /ρ _t a _t	A/A _*	M ₂	$p_{\mathbf{t}_2}/p_{\mathbf{t}_1}$	
	-, -t	. •	-7 - ፒ	-7 -t	· / C	-W/-C-C	··/ 	2	-t2'-t1	220
1.50	.74766	.26561390	.3793336	.86468	1,2970130	.4920007	1.18949	.69425	.926100	_
1.51	.74515	.27950220	.3750961	.86322	1.3034620	.4889235	1.19698	.69057	.922686	
1.52	.74263	.27543690	.3708923	.86176	1.3098780	.4858234	1.20461	.68695	.919206	
1.53	.74012	.27141830	.3667228	.86030	1.3162610	.4827029	1.21240	68358	.915662	
1.54	.73760	.26744570	.3625868	.85884	1.3226120	.4795616	1.22034	.67987	. 912051.	
1.55	.73509	.26351930	.3584851	85757	1.3289310	.4764018	1.22843	.67642	. 908376	
1.56	.73258	.25963900	.3544176	.85591	1.3352170	.4732244	1.23668	.67301	.904643	
1.57	.73007	.25580450	3503844	.85444	1.3414710	.4700305	1.24509	.66966	.900844	
1.58	.72756	.25201570	.3463855	.85297	1.3476930	4668214	1.25365	.66637	.896989	
1.59	.72505	.24827220	3424208	.85150	1.3538830	.4635975	1.26236	.66312	.893077	
1.60	.72254	.24457400	3384904	.85003	1.3600410	.4603608	1.27124	.65992	.889107	
1.61	.72004	.24092080	.3345944	.84855	1.3661670	.4571116	1.28027	.65677	.885083	
1.62	.71754	.23731250	.3307329	.84707	1.3722610	.4538517	1.28947	.65366	.881004	
1.63	.71503	.23374840	.3269053	.84560	1.3783230	.4505810	1.29083	.65061	. 87 68 76	
1.64	.71253	.23022890	.3231125	.84412	1.3843530	.4473018	1.30835	.64759	. 872696	
1.65	.71004	.22675360	.3193541	.84264	1.3903520	.4440146	1.31804	. 64463	.868466	
1.66	.70754	.22332180 .21993380	.3156296	.84116	1.3963190	.4407197	1.32789	,6 4 170	.864189	
1.67	.70505 .70256	.21658880	.3119398	.83967	1.4022550	.4374192	1.33791	.63882	.859866	
1.68			.5082839	.83819	1.4081600	.4341128	1.34810	.63598	.855499	
1.69	.70008 .69759	.21328700 .21002780	.3046623	.83671	1.4140330	.4308024	1.35846	.63317	.851.089	
1.70	.69511	.20681090	.3010749	.83522	1.4198750	.4274886	1.36899	.63041	.846634	
1.71 1.72	.69264	.20363630	.2975213	.83373	1.4256860	.4241718	1.37970	.62769	.842143	
1.73	.69016	.20050330	.2940019 .2905162	.83225	1.4314660	.4208535	1.39057	,62501	.837612	
1.74	.68769	.19741190		.83076	1.4372150	.4175341	1.40163	.62236	.833042	
1.75	.68522	.19436150	.2870645 .2836463	.82927 .82778	1.4429330 1.4486200	.4142148 .4108958	1.41286	.61975	.828440	
1.76	68276	.19135200	.2802618	.82629	1.4542770		1.42427 1.43587	.61718	.823800	
1.77	.68030	.18838300	.2769108	.82480	1.4599040	.4075783	1.44764	.61464	.819128	
1.78	67785	.18545400	.2735929	82331	1.4655000	.4042630 .4009501	1.45960	.61214	.814425	
1.79	.67540	18256490	.2703083	82102	1.4710650	.3976411	1.47175	.60967	.809690	
1.80	.67295	.17971540	.2670571	.82033	1.4766010	.3943366	1.48408	.60724 .60 484	.804928	
1.81	.67050	.17690490	.2638386	.81884	1.4821080	.3910367	1.49661	.60247	.800138 .795320	
1.82	.66807	.17413320	.2606530	.81735	1.4875820	.3877426	1.50932	.60013	.790480	
1.83	.66563	.17139990	.2575001	.81586	1.4930270	.384 <u>4</u> 546	1.52223	.59783	.785614	
1.84	.66320	.16870470	2543797	.81437	1.4984430	.3811734	1.53533	.59555	.780728	
1.85	.66077	.18604740	2512920	.81288	1.5038290	.3779002	1.54863	.59330	.775820	
1.86	.65835	.16342720	.2482361	.81139	1.5091860	.3746543	1.56213	.59109	.770895	
1.87	.65594	.16084390	.2452122	.80990	1.5145130	.3713769	1.57583	.58890	.765947	
1.88	.65353	.15829730	.2422202	80841	1.5198100	.3681288	1.58974	.58674	,760986	
1.89	.65112	.15578710	.2392602	.80692	1.5250790	.3648905	1.60384	.58461	.756009	_
1.90	.64872	,15331280	.2363317	.80543	1.5303190	.3616627	1.61816	.58251	.75101 7	NACA
1.91	.64632	.15087380	.2334342	.80394	1.5355290	.5584449	1.63268	.58043	.746012	5
1.92	.64393	.14847010	.2305681	.80245	1,5407110	3552387	1.64742	.57838	.740996	
1.93	.64155	.14610110	.2277329	.80097	1.5458640	.3520439	1.66237	.57635	.735968	H
1.94	.6391.7	.14376650	.2249284	.79948	1,5509880	.3488612	1.67754	.57436	.730934	
1.95	.63679	.14146600	.2221547	.79799	1.5560840	.3456913	1.69292	.57238	.725887	3981
1.96	.63 44 2	.13919950	.2194115	.79651	1.5611510	.3425345	1.70852	57045	720633	88
1.97	.63206	.13696570	.2166982	.79502	1.5661900	.3393906	1.72435	.56851	.715774	تم
1.98	.62970	.13476500	.2140149	.79354	1.5712010	.3362604	1.74040	.56661	.710711	
1,99	.62735	.13259690	.2113614	.79205	1.5761840	.3331445	1.75668	.56473	.705643	

				71mmn 114	COHOLING	a. Dracific	1.00			
M	T/T $_{ m t}$	p/p _t	p/pt	a/a_t	V/at	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _#	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	NACA
2.00	.62500	13046090	,2087375	.79057	1.5811390	.3300429	1.77319	.56288	.700571	á
2.01	.62266	12835670	2061429	.78909	1.5860660	.3269561,	1.78993	-561,05	.695498	>
2.02	.62032	12628400	.2035775	.78761	1.5909660	-3238846	1.80690	.55924	.690426	H
2.03	.61800	.12424220	2010408	.78613	1.5958370	.5208282	1.82411	.557 4 5	.685350	12
2.04	.61567	.12223130	1985531	78465	1.6006820	.3177882	1.82411 1.84157	.55569	.680277	
2.05	.61.336	.1,2025070	1960538	.7831 7	1.6054990	·3147640	1.85926	.55394	.675207	õ
2.06	611.05	11830000	1936028	.78169	1.6102890	3117563	1.87720	.55222	.670139	3981
2.07	60874	.11637890	1911798	.78022	1.6150520	-5087652	1.89538	.55052	.665075	,
2.08	.60644	11448690	.1887844	.77874	1.6197880	·3057906	1.91382	.54885	.860015	
2.09	.60415	11262400	1864170	.77727	1.6244980	-3028537	1.93250	.54717	.654982	
2.10	.601.87	11,078960	.1840770	.77580	1 6201000	2998945	1.05250	.54553	.649914	
2.11	.59 95 9	.10898310	.1817637	.77433	1.6291800 1.6338360	.2969720	1.95145 1.97065	.54390	.64 4 877	
		.10720450		.77286	1.6384660	.2940678	1.00011		.639847	
2.12	.59731	.10545340	.1794776 .1772182	.77139	1.6450690	.2911617	1.99 <u>01</u> 1 2.00984	.54250 .54071	.634822	
2.15	.59506		*T118T85	*11T2A	1.0430000	. 25TT9T.	0.0000	-940(T	.629811	
2.14	-59279	.10372930	.1749852	.76993	1.6476460	.28831,35	2.02983	.53915	.624807	
2.15	.59054	.10203210	.1727787	.76846	1.6521970	.2854644	2.05009	.53760		
2.16	-58829	.10036110	.1705979	.76700	1.6567220	.2826332	2.07063	.53606	.619618	
2.17	.58605	.09871609	.1684428	-76554	1.5612220	.2798207	2.09144	.53465	.814938	
2.18	.58382	.09709881	.1663133	76408	1.6656950	.2770273	2.11.252	.53306	.609872	
2,19	.581.59	.09550298	.1642093	.76262	1.6701430	.2742531	2.13389	-531.67	.604920	
2.20	.57937	.09393405	.1621302	.76117	1.6745660	.2714977	2.15556	.53011	.599980	
2.21	.577 <u>1</u> 6	.09239000	1600764	.75971	1.6789640	.2687623	2.17750	-52866	.595056	
2.22	.57496	.09087009	.1580468	75826	1.6833360	.2660457	2.19973	.52723	.5901.48	
2.23	. 57276	.08937416	.1560416	.7 5681.	1.6876830	.2633486	2.22225	.52582	.585256	
2.24	.57057	.08790184	1540604	.75536	1.6920050	.2606709	2.24508	.52442	.580383.	
2.25	,5683B	.08645290	.1521,033	.7 5391	1.6963030	.2580130	2.26821	.52304	.575522	
2.26	.56621	.08502722	.1501701	.75247	1.7005750	.2553755	2.29164	.521.67	.570679	
2.27	.56404	.08362401	.1482600	.75102	1.7048240	.2527571	2.31538	.52032	.565856	
2,28	. 56 1.8 7	.08224338	.1483736	. 74958	1.7090470	.25 01.594	2.33942	.51.89 8	.581.052	
2,29	.55972	.08088462	.1445098	·7481.4	1.7132470	.2475809	2.36379	. 517 65	.556268	
2.30	.55757	•07 <i>9</i> 5 47 57	.1426686	.74671	1.7174220	.2450225	2.38846	. 51635	.551503	
2.31	.55543	.07823209	-1408503	.74527	1.7215740	.2424840	2.41347	. 5 1 50 5	.546758	
2,32	.55329	.07693783	1390544	74384	1.7257010	.2399662	2.43879	.51377	.542033	
2,33	. 55117	.07566428	.1372804	.74241	1.7298050	.2374683	2.46445	.51.250	.537330	
2.34	.54905	.07441131	.1,355284	-74096	1.7338850	.2349906	2.49043	.511.25	.532650	
2.35	.54693	.0731,7857	.1337979	·73 95 5	1.7379420	.2325329	2.51675	. 51001	.527990	
2.36	.544B3	.07196576	.1320869	.73813	1.7419750	.2300955	2.54341	-50678	.523 3 52	
2.37	.54273	.07077257	.1304010	.73670	1.7459850	.2276781	2.57041	. 50757	.51.8739	
2,38	54064	.06959883	.1.287343	.73528	1.7499720	.2252813	2.59777	-50637	.514148	
2.39	.53956	-06844409	.1.270881	.73386	1.7539350	.2229042	2.62547	. 5051,8	.509581.	
2.40	.53648	.06730820	.1254626	.73245	1.7578760	.2205476	2.65353	.50400	.505038	
2.41	.53441	.0661.9070	.1238571	.73104	1.7317940	.21,821,07	2.681.93	.50284	.500517	
2.42	.53235	.06509160	.1222720	.72962	1.7656900	.2158944	2.71071	.501.69	.496022	
2.43	.53030	.06401031	1207066	.72822	1.7695630	.21.35978	2.73986	.50055	.491554	
2.44	52825	.06294684	.1191610	.72681	1.7734130	.2115216	2.76937	.49942	-4 87108	
2.45	52621	.061,90076	.1176347	.72540	1.7772410	2090652	2.79926	.49831.	.482690	
2.48	52418	.06087192	.1161279	72400	1.7810470	.2088292	2.82952	.49720	.478295	21
2.47	.52216	05985990	.1146399	.72260	1.7810470 1.7848320	.20461.28	2.86017	.49611	.473927	
2.48	.52014	.05886457	1131708	.721.21,	1.7885940	2024165	2.891.21	49503	.469585	
2.49	51813	.05788553	1117200	71981	1.7923340	2002395	2.92264	.49396	.465268	
~ * = 0	William				.4				•	

TABLE II. - Continued. SPECIFIC HEAT, 1.30

M	T/T _t	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	V/a _t	$\rho_{\rm v}/\rho_{\rm t}$ a _t	A/A*	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	22
2.50	-51613	.05692276	.1102879	.71842	1.7960530	.1980829	2.95446	.49290	460979	
2.51	.51413	.05597588	.1088740	.71703	1.7997500	.1959459	2.98668	-49185	.456717	
2.52	.51215	05504450	1074778	.71565	1.8034260	.1938282	3.01931	.49081	-452482	
2.53	.51017	.0541,2862	1060995	.71426	1.8070810	.1917303	3.05235	.4 8978	448273	
2-54	.50820	.05322798	.1047389	.71288	1.8107140	.1898521	3.08580	·48876	.444092	
2.55	.50623	.05234220	.1033956	.71150	1.8143260	.1875932	3.11966	· 4 8775	439937	
2.56	.50428	.05147116	1020694	.71012	1.8179180	.1.855537	3.15396	.48676	.43 5811	
2.57	50233	.05061450	.1007601	.70875	1.8214880	-183\$333	3.18867	.48577	.431714	
2.58	-50039	.04977210	.0994675	.70738	1.8250380	.1815322	3.22382	.48479	.427641	
2.59	49845	.04894383	.0981918	.70601	1.8285680	.1795505	3.25941	.48382	.423599	
2.60	49652	.0481.2924	.0969323	.70464	1.8520760	.1775875	3.29543	.48286	-419583	
2.61	49461	.04732832	.0956891	.70328	1.8355650	.1756437	3.331.91	.48191	.41 55 9 6	
2.62	.49269	.04654071	.094461.8	.70192	1.8390340	.1737185	3.38884	.48097	.411638	
2.63	49079	.04576621	.0932502	.70056	1.8424820	.1 <i>1</i> 18120	3.40622	·48004	.407708	
2.64	48889	.04500471	.0920544	.69921	1.84591,00	.1699243	3.44405	.47912	.403 805	
2.65	48700	.04425568	.0908739	.69786	1.8493190	.1680549	3.48238	.4 7821.	.399932	
2.66	48512	.04351961	.0897087	.69651	1.8527070	.1662041	3.52115	.47730	.396086	
2.67	48325	.04279569	.0883586	.69516	1.8560760	.1643716	3.56040	.47640	,392270	
2.68	48138	.04208390	.0874254	.69382	1.8594260	1625574	3.60013	.47552	.388481	
2.69	47952	.04138405	.0863029	.69247	1.8627560	.1607614	3.64035	.47484	.384722	
2.70	47767	.04069594	.0851969	.69114	1.8860670	.1589833	3.68107	.47377	.380991	
2.71	47582	.04001.935	.0841.053	.68980	1.8693590	.1572230	3.72228	47291	.377288	
2.72	47399	.03935410	.0830277	.68847	1.8726320	.1554804	3.76400	.47205	.37361.5	
2.73	47218	.03870009	.0819643	.68714	1.8758860	.1537557	3.80622	.47121	.369968	
2.74	47034	.03805704	.0609146	.68581	1.8791210	.1520483	3.84895	.47037	. 366352	
2.75	46852	.03742484	.0798766	68449	1.8823570	-1503586	3.89221	.46954	.362763	
2.76	46671	.03680332	.0788562	6831,6	1.8855350	.1486863	3.935 99	.46871	.359203	
2.77	48491	.03619220	.0778471	.681.85	1.8887140	.1470309	3.98030	.46790	.355671	
2.78	.46312	.03559139	.076851.1.	.68053	1.8918750	.1453926	4.02515	.46709	.3521.68	
2.79	46134	.03500072	.0758681	.67922	1.8950170	.1437714	4.07055	.46629	.348694	
2.80	.45956	.03442009	.0748981	.67791.	1.8991420	.1421673	4.11648	.46550	.345247	
2.81	.45779	.03384917	.0739406	67660	1.9012480	.1405795	4.16296	.46 4 71	.341829	
2.82	45603	.03328787	.0729956	.67530	1.9043360	.1390083	4.21.002	.48394	.338 44 0	
2,83	45427	.03273611	0720631	.67400	1.9074070	1374538	4.25764	46317	.335078	
2.84	45252	.03219364	.0711428	.67270	1.9104600	.1 359155	4.30583	.46240	.331,745	
2.85	45078	.031,66031.	,0702344	.67140	1.9134950	.1343933	4.35460	46164	.328440	
2.86	44905	.0311.3602	.0693380	.67011	1.9165130	.1328873	4.40394	.46089	.325163	
2.87	.44732	.03062063	.0684535	.66882	1.9195130	.1313975	4.45388	.4 6015	.321.91.3	
2.88	44560	.03011391	0675804	.66753	1.9224960	.1299231	4.50442	·45941.	.318691	
2.89	44389	.02961578	.06671.89	.66625	1.9254630	.1284646	4.55557	.4 5868	.315497	2
2.90	44218	.02912608	.0658686	.66497	1.9284120	.1270218	4.60731	.45796	.51.2532	NACA
2.91	44049	.02864462	.0650294	.66369	1.9313430	.1255943	4.65967	.4572 4	.309192	5₹
2.92	43880	.02817131	0642013	66242	1.9542580	.1241819	4.71266	.45653	.306081	
2.93	43711	.02770608	0633841	.66115	1.9371570	.1227851	4.76628	45583	.302997	ij
2.94	43544	.02724872	.0625778	.65988	1.9400380	1214033	4.82053	.45513	.299940	
2,85	.43577	.02679909	.0617819	.65861.	1.9429030	.1200364	4.87542	.45444	.296911	3981
2.98	43211	.02635706	.0609965	.65735	1.9457520	.1186843	4.93097	·45375	-293907	õ
2.97	.43045	.0ක92ක1	.0602215	.65609	1.9485840	.11.73467	4.98717	.45307	.290932	├ ~
2.98	42881	.02549535	.0594567	.65483	1.9514000	-11.60239	5.04402	.45240	.287982	
2.99	.42717	.02507547	.0587020	.65358	1.9542000	.1147156	5 .10156	.451.73	.285060	

				TUTTITE TT.	- COHOTHUE	G. DIROTETO	•		_	
M	$^{\mathrm{T/T}}\mathrm{_{t}}$	p/p _t	ρ/ρ _t	a/a_t	$ exttt{V/a}_{ exttt{t}}$	$ ho_{ m v}^{ ho_{ m t}}$ a $_{ m t}$	A/A _¥	M_{2}	$\mathbf{p_{t_2}/p_{t_1}}$	NACA
3.00	42553	.02486281	.0579571	.65233	1.9569840	.1134213	5.15977	.4 5107	.282164	Ö
3.01	.42391	.02425683	.0572222	65108	1.9597520	.1121414	5.21866	.45041	.279295	
5.02	.42229	.02385789	0584969	.64984	1.9625040	.1108755	5.27825	.44976	.276450	NE
3.03	.42067	.02348573	.0557812	.64859	1.9852400	.1096236	5.33854	4491,2	.273633	選
5.04	41907	.02308017	.0550748	.64736	1.9679610	.1083852	5.33854 5.39952	44848	.270841	6.3
3.05	41747	.02270117	.0543778	.64612	1.9706660	.1071606	5.461,23	44784	.288075	8
3.06	41588	.02232858	.0536899	.84489	1.9733560	1059494	5.52364	44721	.265335	3981
3.07	41430	.021,96237	.0530113	.64366	1.9760300	1047521	5 58681	44659	.262619	,
3.08	.41272	02160226	.0523414	.64243	1.9786890	1035674	5.65069	.44597	.259930	
3.09	41115	.021.24835	0516805	.641.21	1.9813330	.1023964	5.00003	·44536	.257267	
3.10	40958	02090042	0510284	.63999	1.9839620	1012384	5.71552 5.78070		.254627	
3.11	40803	.02055834	.0503847	.63877	1.9865760	.1000931	5.84685	.44475	.252013	
3.12	40648	.02022210	.0497496	.63756	1.9891750	.0989606	0.00000 E 00.570	.44415	.249423	
3.13	40495	.01989153	.0491228		7.3037190	.0978408	5.91376 5.98144	•44355		
3.14	40340	.01956659	0485044	.63834	1.9917590 1.9943280 1.9968830	.0978908	D.96199	.44296	.246858	
3.15		.01924714	0478941	.63514	1.9945260	.0967337	6.04990	.44237	.24451.8	
3.16	.40187	.01893307	0472918	.63393	7.9968890	.0956389	6.11916	.441.79	.241802	
3.17	40035			.63273	1.9994230	.0945562	6.18922	44121	.239309	
	.39883	.01862435	.0466975	.631.53	2.0019490	.0934859	6.26008	.44064	.236841	
3.18	.39732	.01832065	.0461109	.63033	2,0044610 2,0069580	.0924276	6.33175	-44007	.234396	
3.19	.39582	.01802246	.0455322	.62914	2.0059580	.0913812	6.40427	.43951	.231.976	
3.20	.39432	.01772916	.0449611	.62795	2.0094420	0903466	6.47758	.43895	.229578	
3.21	.39283	.01744079	.0443975	.62676	2.0119110	.0893238	6.55176	.43839	.227204	
3.22	•391,35	.01715731	.0438414	.625 58	2.0143660 2.0168070	.08831.25	6.62679	.43784	-224854	
3.23	-38987	.01687863	.0452926	.62440	2.0168070	.0873127	6.70288	-43730	.222525	
3.24	38840	.01,680467	.0427510	.62322	2.0192340	.0863243	6.77943	-4 3676	.220221	
3.25	.38694	.01623220	.04221.65	.62205	2.0216480	0853470	6.85708	·43622	.21.7938	
3.26	.38548	.01,607053	.0416892	.62087	2.0240480	.0843809	6.93558	.4 3569	.215678	
3.27	.38403	.01581019	.0411687	61970	2.0264350	.0834256	7.01496	· 43 516	.2134 4 1	
3.28	.38259	.01555429	.0406552	61854	2.0288080	082480.5	7.09527	·43464	.211226	
3.29	.38115	.01530267	.0401483	61738	2.0311680 2.0335140	.0815479	7.17649 7.25864	·43412	.209032	
3.30	.37972	.01505533	.0396482	.61622	2.0335140	.0806252	7.25864	-43360	.206861,	
3.51	.37830	.01481216	.0391547	61506	2.0358480	.0797129	7.34172	· 4 3309	.204710	
3.32	.37688	.01457308	.0386676	.61,391	2.0381680	.0788111	7.42573	. 43259	.202583	
3.53	.37547	.01435802	.0381.869	.61276	2.0404750	.0779 1.95	7.51067	.45208	.200474	
3.54	.37406	.01410696	.0377127	.61161	2.0427690	.0770583	7 .59661.	•43159	.198388	
3.35	.37267	.01387977	.0372446	.610 4 6	2.0450510	.0761671	7.68350	· 4 31,09	.196322	
3.38	.371.27	.01.365640	.0367827	.60932	2.0473200	.0753059	7.77135	.43060	.1942 78	
3.37	.36989	.01343682	.0363269	.6081.8	2.0495750	.0744547	7.86021	· 4 3011	.192255	
3 - 38	.36851	.01,322091	.0358770	.60705	2.0518190	.0736132	7.95006	· 4 2963	.190252	
3.39	.36713	.01300862	.0354331	.60591	2.0540490	.0727812	8.04093	.42915	.188269	
3.40	.36576	.01279992	.0349950	.60478	2.0562680	.0719590	8 ,1,3280	.42867	.186306	
3.41	.38440	.01259474	.0345627	60366	2.0584730	.07 <u>11</u> 463	8.22572	·42820	.184363	
3.42	.36305	.01239302	.0341361	.60253	2.0606670	.0703430	8.31.967 8.41.465	.42773	.182440	
3.43	.361,70	.01219464	.03371.49	.601 41	2.0628490	.0695488	8.41465	.42727	.180537	
3.44	36038	.01199964	.0332995	60030	2.0650180	.0687639	8.51071	.42681,	.179652	
3.45	.35902	.01180786	.0328893	59918	2.0671750	.0679879	8.60782	.42635	.176787	
3.46	-35769	.01.161.933	0324848	.59807	2.0893200	.0672210	8.70603	.42590	.174941	23
3.47	.35636	.00.3.43395	.0320852	-59696	2.0714530	.0664630	8.80531	42545	173114	Ņ
3.48	35504	.01125170	.031.6911	59585	2.0735750	.0657138	8.90572	42500	.171307	
3.49	-35373	.01107249	.031,3021	.59475	2.0756840	.0649732	9.00722	.42455	169517	
						· 				

TABLE II. - Continued. SPECIFIC HEAT, 1.30

M	T/T _t	$p/p_{\mathbf{t}}$	p/p _t	a/a_t	v/a _t	$ ho_v/ ho_t$ a $_t$	A/A*	M ₂	$\mathbf{p_{t_2}/p_{t_1}}$	2 <u>2</u>
3,50	.35242	.01089628	.0309182	.59365	2.0777850	.0642412	9.10985	.42411	.167747	H-r
3.51	.35112	.01072302	.0305393	59256	2.0798690	.0635177	9,21561	.42368	.165994	
3.52	.34983	.01055267	.0301654	.59146	2.0819440	.0628027	9.51851	.42324	.164260	
5,53	.54854	.01038514	.0297963	.59037	2.0840070	.0620958	9.42459	.42281	,162542	
3,54	34725	.01022048	.0294322	58928	2.0860590	.0615974	9.53182	.42239	.160844	
3.55	.54598	.01005848	.0290728	58820	2.0881000	.0607088	9.64023	.42196	.159163	
3.56	.54470	.00989922	.0287180	.58712	2.0901290	.0600244	9.74985			
3,57	.34344	.00974260	.0283679	.58604	2.0921470	.0593498	9.14965	.42154	.157500	
3.58	.34218	.00958964	.0280224	.58496	2.0941550	0586833	9.86065	.42112	.155854	
3,59	.34092	.00934719	.0276813	.58389	2.0961500	.0580242	9.97268	.42071	.154224	
3.60	.35967	.00928829	.0273447	.58282			10.08593	.42030	.152612	
5.61	.33843	.00914189	0270126	.581.75	2.0981360	.0573730	10.20042	.41989	.151017	
3.62	.53719	.00899790	.0268847	•56068	2.1001100	.0567294	10.51614	.41949	.149438	
3,63	.33596	.00885629	.0263611	.57962	2.1020740	.0560932	10.43316	.41908	.147876	
		.00871708			2.1040260	.0554644	10.55141	.41868	.146331	
3.64	,33473	.00858015	.0260417	.57858	2.1059680	.0548431	10,67097	.41829	.144801	
3.65	.33351		.0257265	.57751	2.1078990	.0542289	10.79184	.41790	.145289	
3.66	.33230	.00844549	.0254154	.57645	2.1098200	.0536218	10.91399	.41750	.141791	
3.67	.33109	.00831306	.0251082	.57540	2.1117300	.0530218	11.03749	.41712	.140310	
3.68	.32988	.00818284	.0249051	.57436	2.1136300	.0524289	11.16232	.41673	.138844	
3.69	.32889	.00805478	.0245060	.57331	2.1155200	.0518429	11.28850	.41635	.137393	
3.70	.32749	.00792883	.0242107	.57227	2.1173990	.0512636	11.41605	.41597	.135958	
3.71	.32631	.00780496	.0239192	.57123	2.1192680	.0506912	11.54496	.41560	.134538	
3.72	.52512	.00768316	.0236316	.57020	2.1211270	.0501255	11.67526	.41522	.153133	
5.73	.32395	.00756334	.0233476	.56916	2.1229760	.0495663	11.80697	.41485	.131743	
3.74	.32277	.00744554	.0230673	.56813	2.1248150	,0490138	11.94010	.41 <u>44</u> 8	.130368	
3,75	.32161	.00732964	.0227906	-56710	2,1266430	.0484675	12.07464	.41412	.129007	
3.76	.32045	.00721569	.0225176	.56608	2.1284630	.0479278	18.21061	.41375	.127 661	
3.77	.31929	.00710359	.0222480	. 565 06	2.1302720	.0473943	12.34907	.41539	.126328	
3.78	.31814	.00699334	.0219819	.56404	2.1520710	.0468670	12.48698	.41504	.125010	
3.79	,31700	.00688492	.0217193	.58302	2.1338610	.0463459	12.62738	.41268	.123707	
3,80	.31586	.00677829	.0214601	.56201	2.1356410	.0458310	12.76929	.41255	.128417	
3,81	.314,72	.00667338	.0212041	.56100	2.1374110	.045321.9	12.91271	.4 1198	.121140	
3.82	.31359	.00657022	.0209515	. 55999	2.1391720	.0448189	13,05765	.411.63	.119879	
3,63	.51247	.00646874	.0207021	.55899	2.1409230	.0443217	13.20409	.41128	.118629	
3.84	31135	.00636894	.0204560	.55799	2.1426650	0458304	15.35212	.41094	.117393	
3.85	.31,023	.00627076	.0202130	.55699	2.1445980	.0433447	13.50173	.41060	.116170	
3.86	.30912	.00617419	.0199731	.55599	2.1461210	.0428648	13.65290	.41026	.114960	
3.87	.30802	.00607919	.0197363	.55500	2.1478350	.0423903	13.80570	.40993	.113764	
3,88	.30692	.00598577	.0195026	.55401	2.1495400	.0419218	13,96007	.40959	.112581	
3,89	.30583	.00589386	.0192718	.55302	2,1512360	.0414583	14.11607	.40926	.111409	z
3,90	.30474	.00580546	.0190440	.55203	2.1529220	.0410005	14,27374	.40893	.110251	NACA
3.91	.30365	.00571452	.0188192	55105	2.1546000	.0405478	14.43306	.40861	.109104	54
3,92	.30258	.00562704	.0185971	.55007	2.1562690	.0401004	14.59406	.40828	.107970	
3.93	.30150	.00554098	.0183780	.54909	2.1579290	.0396584	14.75675	.40796	106848	IJ
5.94	30043	.00545632	.0181616	.54812	2.1595800	.0392214	14.92114	.40764	105738	
3.95	.29937	.00537305	.0179480	.54715	2.1612230	.0387896	15.08725	.40732	.104641	었
3.96	.29831	.00529112	.0177371	.54618	2.1628560	.0383628	15.25507	.40701	103555	3981
3.97	.29725	.00521055	0175289	.54521	2.1644810	.0379410	15.42467	.40670	.102480	1
3.98	29620	.00513125	0173234	.54425	2.1660970	.0375242	15.59604	.40639	.101418	
3.99	29516	.00505325	.0171205	54328	2.1677050	.0371122	15.76919	.40608	100366	
						, 	*****			

TABLE II. - Continued. SPECIFIC HEAT, 1.30

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M	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	v/a_t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _¥	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	NACA
4.00	.29412	.00497651	.0169201	.54233	2.1693040	.0367049	15.94415	.40577	-099326	2
4.01	29308	.00490101	.0167223	.54137	2.1708950	.0363024	16.12092	40546	.098297)
4.02	.29205	00482675	.0165271	.54042	2.1724780	.0359047	16,29950	.40516	.097279	
4.03	.29102	.00475368	.0163343	.53947	2.1740520	.0355116	16.47992	40486	.096272	
4.04	29000	.004681.78	.0161439	.53852	2.1756180	.0351250	16.66226	40456	.095276	3981
4.05	28899	.004611.05	.0159560	.53757	2.1771760	.0347389	16.84648	.40427	.094290	ဆွ
4.06	.28797	.00454145	.0157704	.53663	2.1787250	.0343593	17.03257	.40397	.093316	μ
4.07	28697	.00447299	.0155872	.53569	2.1802660	.0339842	17.22058	.40368	.092351	
4.08	28596	.00440565	.0154063	-53475	2.1818000	.0336135 .0332470	17.41057	40339	.091398	
4.09	.28496	.00433934	.0152277	-53382	2.1833250	.0332470	17.60244	.4031.0	.090454	
4.10	.28397	.00427412	.0150513	.53289	2.1848420	.0328848	17.79633	.402Bl	.089521	
4.11	-28298	.00420995	.0148772	-53196	2.1863510	.0325268	17.99220	.40253	.088598	
4.12	.28200	00414681	.0147052	.53103	2.1878530	.0321729	18.19006	.40225	.087684	
4.13	.28101	00408468	.0145355	53011	2,1893460	.0318232	18.38998	.40196	.086781	
4,14	28004	.00402365	.0143678	52919	2.1908320	.0314775	18.59195	.40169	.065887	
4.15	.27907	.00396339	.0142023	.52827	2.1923100	.0311359	18.79594	.40141	.085003	
4.18	.2781.0	.00390420	.0140389	.52735	2.1937800	.0307982	19.00202	.40113	.084128	
4.17	.27714	00384595	.0138775	.52644	2.1952430	.0304644	19.21021	.40086	.083263	
4.18	.27618	.00378864	.0137181	.52553	2.1966980	.0301346	19.42048	.40059	.082 4 07	
4.19	.27522	-00373223	.0135608	.52462	2.1981460	.0298085	19.63293	.40032	.081561	
4.20	.27427	.00367673	.0134054	-52571	2.1995860	.0294862	19.84755	.40005	.080724	
4.21	.27333	.00362210	.0132519	-52281	2.2010190	.0291,676	20.06426	.39978	.079895	
4.22	.27259	.00356835	.0131,004	.52191	2.2024440	.0288528	20.28521	.39952	.079076	
4.23	.27145	.00351,546	.0129507	.52101	2.2038620	.0285416	20.50444	.39925	.078265	
4.24	.27052	.00346339	.01,28029	.52011	2.2052720	.0282339	20.72781	.39899	.077463	
4.25	26959	.00341,216	.0126570	.51922	2.2066760	.0279299	20.95344	.39873	.076670	
4.26	.26866	-003361,75	.01.251.29	.51833	2.2080720	.0276294	21.18135	.39847	.075885	
4.27	.26774	.00327373	.0123706	.51.744	2.2094610	.0273323	21.411.61	.39822	.075109	
4.28	26683	.00326329	.0122300	.51655	2.21.08430	.0270387	21.64410	.39798	.074341	
4.29	.26591	.00321523	.0120912	.51567	2.2122180	.0267485	21.87897	.39771	.073582	
4.30	.26501	.00316793	.011,9542	51479	2.21.35850	.0264616	22.11616	.39746	.072830	
4.31	.26410	.0031.2137	.0118188	.51,391,	2.21.49460	.0261780	22.35573	.3972]	.072087	
4.32	.26320	00307554	.0116851	.51,303	2.2163000	.0258976	22.59771	.39696	.071352	
4.33	.26231	.00303044	.01.15530	.5121.6	2.21,76470	.0256205	22.84212	.39671	.070625	
4.54	.26141	.00298605	.01,14227	.51129	2.2189870	.0253467	23.08897	.39647	.069906	
4.35	.26053	.00294235	.0112939	51042	2.2205200	.0250760	23.3381.7	.39622	.069193	
4.36	.25984	.00289935	.0111667	.50955	2.221,6460	0248084	23.58994	39598	.068490	
4.37	.25876	.00285701	.0110410	.50869	2.2229660	.0245438	23.84420	.39574	.067793	
4.38	.25789	.00281534	.0109169	-50783	2.2242790	.0242823	24.10099	.39550	.067104	
4.39	.25702	.00277433	0107944	50697	2.2255860	.0240239	24.36031	.39526	.066423 .065749	
4.40	.2561.5	.00273395	.0106754	.50611	2.2288850	.0237683	24.62217	.39503	.065082	
4.41	£5528	.00269421	.0105538	.50526	2.2281780	.0235157	24.88665	.39479	.084423	
4.42	.25442	.00265508	.0104357	.504 4 0	2.2294640	.0232660	25.15370	.39456	.063770	
4.43	.25357	.00261657	.0103191	.50355	2.2307450	.0230192	25 .42344	.39433	.0631,25	
4.44	.25271	.00257867	.0102039	.50271	2.2320180	.0227752	25 .69580	.3941.0	.062486	
4.45	.25187	-002541.35	0100901	.50188	2.2332850	.0225341 .0222956	25 - 97084	.39387	.061.854	N
4.48	.251,02	.00250460	.0099777	.50102	2.2345470	.∪ಜಜಜಪು ೧೧=೧೧	26 .24855 26 .52905	.39364	.061230	25
4.47	.25018	-00246844	.0098667	.50018	2.2358010 2.2370490	.0220599	26.81,218	.39342 30310	.060611	
4.48	24934	.00243283	.0097570	.49934	2.2382910	.021.8269 .021.5966	26.81218	.39319 .39297	.060000	
4.49	.24851	.00259778	.0096487	.49851	C. C30C3TA	*∩¢T⊅300	21 .090T0	.05601	100000	

TABLE II. - Continued. SPECIFIC HEAT, 1.30

M	T/T _t	p/p_{t}	p/pt	a/a_t	V/a-t	$ ho_{ m V}/ ho_{ m t}$ a $_{ m t}$	A/A*	$M_{\mathbf{Z}}$	$_{\mathrm{Pt}_{2}}/_{\mathrm{Pt}_{1}}$	26
4.50	.24768	.00238326	.0095417	49767	2.2395270	.0213688	27.38694	.39275	.059395	
4.51	24685	.00232929	.0094360	•4968 4	2.2407560	0211437	27.67857	.39253	.058796	
4.52	.24603	.00229584	.0093316	. 49601	2.2419600	.0209212	27.97297	.39231	.058204	
4.53	.24521	.00226291	.0092284	.4 9519	2.2431970	.0207012	28.27021	.39209	.057619	
4.54	.24439	.00223048	0091266	.49436	2.2444060	.0204837	28,57041	.59187	057040	
	.24358	.00219856		.49354	2.2456130	.0202687	28.87353	.39166	056466	
4.55	.24278	.00216713	.0090259 .0089265	.49272	2.2468120	.0202561	29.17955	39144	.055899	
4.56	.24197	.00213618	.0088282	.49191	2.2480060	.0198460	29.48852	39123	055339	
4.57				.49109	2.2491930	0196382	29.80051	.39102	.054784	
4.58	.24117	.00210571	•0067312		2.2503750	.0194328	30.11554	.39081	.054235	
4.59	.24037	.00207570	.0086554	49028	2.2515500	.0192327	50.43353	.39060	.053692	
4.60	.23958	.00204616	.0085407	.48947 .48866	2.2527200	*0180580	30.75461	.39039	.053155	
4.61	.23879	.00201707	.0084471		2.2538840	.0180290 .0188305	31.07873	.39019	•052624	
4.62	.23800	.00198843	.0083547	•48785	2.2550420	.0186343	31.40604	.38998	.052098	
4.63	.23722	.00196022	.0082634	•48705	2.2561940		31.73643	•38978	.051578	
4.64	.23644	.00193245	.0081732	•48625	2.2575420	.0184403	52,07003	•38958	.061063	
4.65	.23566	.00190510	.0060840	.4854 5		.0182484	32,40681	•38938	.050554	
4.66	.23489	.00187817	.0079960	-48465	2.2584830	.0180588		.38918	050051	
4.67	.23412	.00185165	•0079090	• 4838 6	2,2596180	.0178713	32.74684	•38898	.049553	
4.68	23335	.00182553	.0078230	-48307	2.2607480	.0176859	33,09012		.049060	
4.69	23259	.00179981	.0077581	48228	2,2618730	.0175027	33.43862	-38878 -38878		
4.70	.23183	.00177448	.0076542	.48149	2.2629920	.0173214	33.78641	•38858 **********************************	.048572 .048090	
4.71	.23107	.00174954	.0075713	48070	2.2641050	.0171423	34.13950	. 38839		
4.72	.23032	.00172497	.0074894	.47992	2.2652130	.0169651	34.49603	.38819	.047613	
4.73	.22957	.00170078	.0074085	•47914	2.2663160	.01.67899	54.85595	.38800	.047141	
4.74	-22883	.001,67695	.0073285	47836	2.2674130	.0166168	35.21923	.38781.	.046674	
4.75	.22808	.00165348	.0072495	•47758	2.2685050	.0164455	35.58595	.38762	.046211	
4.76	.22734	.00163037	.0071714	.47681	2.2695920	.0162762	35.95608	.38743	.045754	
4.77	.22661	.00160761	.0070943	.47603	2.2706730	.0161088	36.32978	.38724	.04530Z	
4.78	.22587	.00158519	•0070180	.4 7526	2.2717490	.0159432	36.70704	.38705	.044855	
4.79	.22514	.00156311	.0069427	.4744 9	2.2728200	.0157796	37.08776	. 38686	.0444]2	
4.80	.22 <u>44</u> 2	.00154136	.0068683	-47373	2.2738860	.0156177	37.47209	.38668	.043974	
4.81	.22369	.00151994	-0087948	.4 7296	2.2749460	.0154577	37.86003	.38649	.043541	
4.82	.22297	.00149884	.0067221	.47220	2.2760020	.0152996	38.25157	•38631	.043112	
4.83	. 22226	00147806	.0066503	.47144	2.2770520	.0151430	38.64684	•38613	.042688	
4.84	.22154	.00145759	.0065793	•47068	2.2780970	.0149883	39.04575	. 38595	.042268	
4.85	.22083	.00143742	.0065092	.4 6993	2.2791380	.0148353	39.44840	•38577	.041853	
4.86	.22012	.00141756	.0064399	•46917	2.2801730	.01.46840	39.85493	. 38559	.041442	
4.87	.21942	.001.39799	.0063714	46842	2.2812030	.01.45344	40.26504	.38541.	.041036	
4.88	.21872	.00137871	.0063037	.46 767	2.2822290	.0143865	40.87911	-38523	.040633	
4.89	.21802	.001.35973	.0062368	.4 6692	2.2832490	.0 <u>1424</u> 02	41.09702	•38506	.040236	\$
4.90	21732	.00134102	.0061707	.46618	2.2842640	. 0140956	41.51872	-38488	.039842	NACA
4.90	.21,663	.00132260	.0061054	.4 6543	2.2852750	.0139525	41.94457	.38471	039452	حيز
4.92	.2159 4	.00130444	.0060408	.46469	2.2882810	.0138110	42.37395	•3845 4	.039067	MI
4.93	.21,525	.00128656	.0059770	•46395	2.2872820	.01,36712	42.80764	. 38436	.038686	z
4.94	.21457	.00126895	.0059140	46321	2.2882780	-0135328	43.24613	.38419	_038309	Ċį
4.95	.21,389	.00125159	.0058516	.46248	2.2892700	.01.53960	43.68676	.38402	.037935	3981
4.96	•21.321.	.00123449	.0057901	.46 175	2.2902570	.0132607	44.13249	. 38385	.037586	ä
4.97	.23,253	.00121765	.0057292	.4610 1	2.2912390	•0131270	44.58232	. 38368	.037201	
4.98	.211.86	.00120105	.0056690	.46028	2.2922160	.0129946	45.03611	.3835Z	.036839	
4.99	.21119	.00118470	-0056096	.4 5956	2.2931890	.0128638	45.49426	. 38335	.036482	

							,			
M	$ exttt{T/T}_{ exttt{t}}$	p/p _t	$\rho/\rho_{\rm t}$	a/a_t	v/a_t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _*	MS	$_{\mathrm{p_{t_2}/p_{t_1}}}$	NACA
5.00	.21.053	.00118859	.0055508	.45883	2.2941580	.01275 44	45.95651	.3831.9	.036128 .035777	ũ
5.01	.20986	.00115272	.0054927	45811	2.2951210	0126064	46.42300	.38302	.035777	₽
5.02	.20920	.00113707	.0054353	45739	2.2960800	.01,24798	46.89379	.38286	.035431	MI
5,03	20854	.00112166	.0053785	45667	2.2970350	.0123547	47.36888	.38270	.035088	벋
5.04	.20789	.00110646	.0055224	45595	2.2979840	.0122309	47.84830	.38253	.034749	(N
5.05	20724	00109152	.0052670	.45523	2.2989310	.0121085	48.3327.1	.38237	.034413	3981
5.06	.20659	.00107678	.0052122	45452	2.2998720	0119874	48.82031	.38221	.034081	29
5.07	20594	.00106225	.0051580	45381	2.5008080	.0118676	49.31297	.38205	.033752	,
5.08	.20530	.00104794	.0051045	45310	2.3017410	.0117492	49.31297 49.80997	.38190	.033426	
5,09	.20466	.00103384	.0050516	.45239	2.3017410 2.3026690	.0116321	50.31174	.381.74	.033105	
5.10	20402	.00103354	.0049992	45168	2.3035920	.0115162	50.81779	.38158	.032786	
5.11	.20338	.00100625	.0049475	45098	2.3045120	0114016	51.32844	.38143	.032471	
5.12	.20275	.00099275	.0048964	.45028	2.3054270	011.2883	51.04094	.381.27	.032159	
5.13	.20212	.00097945	.0048459	.44958	2.3063380	.0111.762	51.84384 52.36387	.38112	051,650	
5.14	.20149	.00097943	.0047959	.44888	2.3072450	.0110653	52.88847	.38097	.031545	
5.15	20087	.00095343	.0047485	•44818	2.3081470	.0109557	53.41,791	.38081	037543	
5.16	.20025	.00094070	.0046977	•44749	2.3090450	.0108472	53.95210	.38066	.030944	
5.17	.19963	.0009281.5	.0046494	44680	2.3099390	.0107399	54.49098	.38051	.030648	
5.18	.19901	.00092579	.0046017	.44611	2.3108290	.0106338	55 .03480	.38036	.030355	
5.19	19840	.00090361	.0045546	.44542	2.3117150	.0105288	55 .58338	.38021	.030065	
5.20	.19778	.00080361	.0045079	.44473	2.31.25960	.0104250	56.13695	.38006	.029779	
5.21	.19718	.00087977	.0044618	44404	2.3134740	.01,03223	56.69535	.37992	.029495	
5.22	.19657	.00086810	.0044163	.44336	2.3143480	.0102207	57 .25886	.37877	.029214	
5.23	19597	.00085661	.0043712	44268	2.3152170	.0101203	57.82737	.37962	.028936	
5.24	.19536	.00084527	.0043266	.44200	2.3160830	.0100209	58.40081.	.379 4 8	.028661	
5.25	.19477	00083411	.0042826	44132	2.5169440	.0099226	58.97946	37934	.028389	
5.26	.19417	.00082310	.0042391	.44065	2.3178020	.0098253	59.58324	.37919	.028120	
5.27	.19358	.00081225	.0041960	43997	2.3186550	.0097291	60.15219	.37905	.027853	
5.28	.19298	.00080155	.0041535	43930	2.3195050	.0096340	60.74835	.37891	.027590	
5.29	.19240	.00079101	.0041114	.43863	2.3203510	.0095398	61.34576	.37877	.027329	
	.19181	.00078101	0040698	.43796	2.3203030	.0094467	61.95058	.37863	.027070	
5.30 5.31	.19123	.00077038	.0040286	.43729	2.3211920 2.3220310	.0093546	82.56056	.37849	.026814	
5.32	19064	.00077038	0039879	.43863	2.3228650	.0092635	63.17604	.37835	.026561	
5.33	.19007	.00075033	.0039477	.43597	2.3236960	.0091733	63.79680	.37821	.026311	
5.34	.18949	.00074052	0039080	43530	2.3245220	.0090841	64.42297	.37807	.026063	
	.18892	.00073085	.0038686	43464	2.3253450	.0089959	85.05480	.37794	.025818	
5.35 5.38	10834	.00072131	.0038298	43398	2.3261,640	.0089087	65.69212	.37780	.025575	
5.37	.18777	.00071191	.0037913	43333	2.3269800	.0088223	66.33500	.37766	.025335	
5.38	18721	.00070264	.0037533	43268	2.3277920	.0087369	66.98349	.37753	.025097	
5.39	18664	.00069351.	.0037157	.43202	2.3286000	.0086524	67.63777	.37740	.024862	
5.40	18608	.00068451	.0036785	.431.37	2.3294040	.0085688	68.29757	.57726	.024629	
5.41	.18552	.00067563	.003641.9	.43072	2.3302060	.0084861	68.96326	.37713	.024398	
5.42	.18496	.00066687	.0036054	.43007	2.351,0030	.0084043	69.63471	.37700	.024170	
5.43	.18441	.00065825	.0035695	.42943	2.3317970	.0083243	70 31198	.37687	.023944	
5.44	.18388	.00064974	.0035339	.42878	2.3525870	.0082432	70.31196 70.99507	.37674	.023721	
5.45	.18331	.000641,35	.0034988	.42814	2.3533730	.0081640	71.68405	.37661	.023500	
5.46	.18276	.00063308	.0034640	.42750	2 33331 SO	0080856	72.3790.3	.37648	.023281	27
5.47	.18221	.00062492	.0054297	.42686	2.3341560 2.3349360	.0080080	73.08005	.37635	.023064	7
5.48	.18167	.00061688	.0034257	.42622	2.3357120	.0079313	73.78729	.37622	.022849	
5.49	.18113	.00060895	.0053620	.42559	2.5384840	.0078554	74.50043	.37610	.022637	
0.49	+LULL3	* ATTOMAND	******	・コムコンプ	D#OPOGO#U	1001003	1 = 10000	*210TO	1020001	

TABLE II Conc	luded. SPECIFIC	HEAT, 1.30
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M	T/T _t	p/p_{t}	բ/բ _t	a/a_t	$v/a_{ m t}$	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A_{34}	$^{\mathrm{M}}_{\mathrm{2}}$	$_{\mathrm{p_{t_2}/p_{t_1}}}$	28
5.50	18059	.00060114	.0033288	.42496	2.3372540	.0077803	75.21966	.37597	.022427	œ
5.51	.18005	00059343	.0032959	.42432	2.3380190	.0077059	75.94522	.37584	.022219	
5.52	17952	.00058583	0032634	.42369	2.3387810	.0076384	76.67698	.37572	.022013	
5.53	.17898	.00057834	0032312	42306	2.3395410	.0075596	77.41496	.37559	.021809	
5.54	.17845	.00057095	.0031994	.42244	2.3402950	.0074876	78,15923	.37547	.021608	
5.55	.17792	.00056366	.0031680	.42181	2.3410480	.0074164	78.91001	.37535	.021408	
5.56	.17740	.00055648	0031369	.42119	2.3417970	.0073459	79,66715	.37522	.021210	
5.57	.17687	00054959	.0031061	42056	2.3425420	.0072762	80.43071	.37510	.021015	
5.58	.17635	.00054240	.0030757	41,994	2.3432840	.0072072	81.20091	.37498	.020821	
5.59	.17583	00053551	.0030456	41932	2.3440240	.0071389	81.97761	.37486	.020629	
5.60	.17532	.00052872	0030158	.41871	2.3447600	.0070713	82.76087	.37474	.020440	
5.61	.17480	00052201	.0029864	.41809	2.3454920	.0070045	85.55072	.37462	.020252	
5.62	.17429	00051541	.0029572	.41748	2.3462210	.0069383	84.34741	.37450	.020066	
5.63	.17378	.00050889	.0029284	.41666	2.3469470	.0068728	85.15077	.37438	.019882	
5.64	.17327	.00050246	-0028999	.41625	2.3476700	.0068081	85.961.09	.37427	.019700	
5.65	.17276	.00049612	.0028717	.41564	2.3483900	.0067440	86.77819	.37415	.019519	
5.66	.17226	00048987	0028439	41504	2.3491060	.0066805	87.60211	,57403	.019341	
5.67	.17175	.00048370	.0028163	.41443	2.3498190	.0068178	88.43292	.37392	.019164	
5.68	17125	.00047762	.0027890	.41383	2.3505290	.0065556	89.27086	.37390	.018989	
5.69	.17075	.00047162	.0027620	.41322	2.3512370	.0064942	90.11576	.37369	.018816	
5.70	.17026	.00046571	.0027353	.41262	2.3519400	.0064333	90.96790	.37357	.018645	
5.71		.00045987	.0027089	41202	2.3526420	.0063732	91.82710	.37346	018475	
5.72	.16927	.00045412	.0026828	41142	2.3533400	.0063136	92.69365	.37335	.018307	
5.73	.16878	.00044844	.0026570	41083	2.3540340	0062546	93.56715	.37323	.018140	
5.74	16829	00044284	.0026314	.41023	2.3547260	.0061963	94.44830	.37312	.017976	
5.75	.16780	.00043732	•0026062	.40964	2.3554150	.0061385	95.33871	.37301	.017813	
5.76	.16732	.000431.87	.0025811	40905	2.3561020	.0060814	96.23223	.37290	.017652	
5.77	.16684	.00042650	.0025564	40845	2.3567840	.0080249	97.13556	.37279	.017492	
5.78		.00042120	.0025319	.40787	2.3574640	.0059689	98.04631	.37268	.017333	
5.79		.00041597	.0025077	.40728	2.3581410	.0059135	98.98474	.37257	.017177	
5.80		.00041,081	.0024837	40669	2.3588150	.0058587	99.89070	.37246	.017022	
5.81		.00040572	.0024600	40611	2.3594870	.0058044	100.82420	.37235	.016868	
5.82		.00040070	.0024366	.40552	2.3601540	.0057507	101.76560	.57224	.016717	
5.83		.00039575	.0024134	40494	2.3608210	.0056976	102.71490	.37214	.016586	
5.84		.00039086	.0023904	.40436	2.3614830	.0056450	103.67170	.37203	.016417	
5.85		.00038604	.0023677	40379	2.3621430	.0055930	104.63870	.37193	_016270	
5.86		.00038129	.0023453	.40321	2.3627990	.0055414	105.60940	.37182	.016124	
5.87	.16211	.00037660	.0023231	.40263	2.3634530	0054904	108.59010	.37171	.015979	
5.88		.00037197	.0023011	40206	2.3641050	.0054400	107.57930	.37161	.015836	
5.89		.00036740	.0022793	40149	2.3647530	.0053900	108.57620	.37151	.015694	ᅜ
5.90		.00036290	.0022578	40092	2,3653990	.005340€	109.58140	.37140	.015554	₽
5.91		.00035846	.0022365	40035	2.3660420	.0052916	110.59500	.37130	.015415	NACA
5.92		.00035407	.0022154	.39978	2.3666820	.0052432	111.61670	.37120	.015277	-
5.93		.00034975	.0021946	.39921	2.3675200	.0051952	112.64690	.37109	.015141	II.
5.94		00034548	.0021739	.39865	2.3679550	.0051478	113.68540	.37099	.01,5006	
5.95		.00034127	.0021535	39808	2.3685870	.0051008	114.73240	.37089	.014873	39
	.15802	.00033711	.0021333	.39752	2,3692170	.0050543	115.78780	.37079	.014741	ന
5.97		.00033301	.0021133	.39696	2.3698430	.0050085	116.85210	.37069	014610	ř
5.98		.00052897	.0020936	39640	2.3704680	.0049827	117.92470	.37059	.014480	
5.99		00032497	.0020740	39584	2.3710890	.0049176	119.00610	.37049	.014352	
6.00		.00052104	.0020546	39528	2.3717080	.0048730	120.09630	37039	.014225	
									•	
	•					•	ı		•	•

TABLE III. - SPECIFIC HEAT, 1.32

M	T/T _t	p/p_{t}	ρ/ρ _t	a/a _t	v/a_t	$ ho_{ m v}/ ho_{ m t}$ at	A/A*	M ₂	$p_{\mathbf{t_2}}/p_{\mathbf{t_1}}$	NACA
0.00	1.00000	1.00000000	1.0000000	1.00000	.0000000	.00000000			- -	5
.01	.99998	.99993370	.9999497	.99999	.0099999	.0099994	58.39360			plus.
.02	.99994	.99973620	.9998002	.99997	.01.99993	.0199953	29.20187			NT.
.03	.99986	.99940660	9995505	.99993	.0299978	.0299843	19.47357			4
.04	.99974	99894440	.9992002	.99987	0399948	.0399628	14.61110			Ü
.05	.99960	.99835160	.9987510	.99980	.0499900	.0499275	11.69498			3981
.06	.99942	.99762750	.9982023	.99971	.0599827	.0598748	9.75203			Ä
.07	.99922	.99677220	.9975538	.99961	.0699725	.0698014	8.3651,9			
.08	.99898	.99578710	.9968069	.99949	.0799590	.0797037	7.32590			
.09	.99871	.99467160	.9959608	.99935	.0899417	-0895784	6.51,833			
.10	.99840	.99342740	.9950169	.99920	.0999201	.0994221	5.87295			
,1,1,	.99807	.99205330	.9939741	.99903	.1098937	.1092314	5.34555			
.12	.99770	.99055170	.9928340	.99885	.1198621	.1190030	4.90681			
.13	.99730	.98892350	.9915976	.99865	.1298246	.1287337	4.53574			
.14	.99687	.9871,6770	.9902636	.99844	.1397810	1384200	4.21,834			
.15	.99641	.98528580	.9888329	99820	.1497308	.1480586	3.94372			
.16	99592	.98328030	.9873079	99796	.1596734	.1576467	3.70387			
.17	.99540	.98115050	.9856874	.99770	1696084	.1671807	3.49264			
.18	99484	.97889680	.9839715	.99742	.1795353	.1766575	3.30528			
.19	.99426	.97652330	.9821.638	.99712	1894537	.1860744	3.13900			
.20	.99364	97402770	.9802616	.99682	.1993631	.1954279	2.98781			
.21	.99299	.97141300	.9782674	.99649	.2092831.	.2047151	2.85227			
.22		.96868040	.9761820	.9961.5	.2191531	.21,39332	2.72937			
.23	.99161	.96583050	.9740054	.99579	.2290328	.2230791	2.61747			
.24	.99087	.96286540	.9717392	.99542	.2389017	.2321,501	2.51519			
.25	.99010	.95978580	.9693838	.99604	.2487594	.2411,432	2.42139			
.26	98930	.95659390	.9669406	.99464	.2586053	.2500558	2.33509			
.27	.98847	.95329060	9644099	.99422	.2684390	.2588852	2.25545			
.28	.98761	.94987770	.9617931	.99379	.2782602	.2676287	2.18176			
.29	.98672	.94635660	.9590908	.99334	.2880684	.2762836	2.11.341			
.30	.98580	94272950	.9563049	.99286	.2978631	2848478	2.04987			
.31	98486	.93899680	.9534350	.99240	.3076439	.2933183	1.99068			
.32	.98388	.93516150	.9504833	.99191	-3174104	.301,6931.	1.93542			
.33	.98287	.951,22430	9474500	.99140	.3271621	.3099696	1.88374			
.34	.981.84	.92718820	·8443376	99088	.3368987	.31,81,460	1.83533			
•35	98078	.92305400	.9411459	.99034	.3466197	.3262196	1.78990			
.36	.97969	.91882310	.9378760	.98979	.3563246	.3341882	1.74722			
.37	-97857	.91449950	9345306	.98922	.3660132	.3420504	1.70708			
.38	.97742	.91.008280	.931,1095	.98864	.3756849	.3498036	1.66923			
.39		.90557640	.92761,46	.98805	.3853394	.357 446 3	1.63354			
.40		.900981.40	.9240466	.98744	.3949763	.3649764	1 .599 83			
.41	.97381	.89629960	.9204066	.98682	4045951	.3723919	1.56798			
.42		.89153400	.91,68988	.98616	.4141956	.3798916	1.53783			
.43		.88668650	.9129183	98555	.4237772	.3868738	1.50928			
.44		.88175840	.9090718	.98486	.4333397	.3939367	1.48222			
.45		.87675250	.9051594	.98418	.4428825	.4008792	1.45665			. -
.46		.871,67000	.9011814	.98349	45 24055	.4076992	1.43239			29
.47		.86651420	.8971403	.96278	.461,9081	.41,43962	1.40904			_
.48		.86128640	.8930370	.98206	.4713900	.4209686	1.38704			
.49		.85598870	.8688725	.98133	.4808509	.4274150	1.36612			

TABLE III. - Continued. SPECIFIC HEAT, 1.32

M	T/T _t	$p/p_{ m t}$	$ ho/ ho_{ m t}$	a/a_t	$lau/a_t$	$\rho_{f v}/ ho_{f t}$ ${f a}_{f t}$	A/A _*	M_2	$\mathbf{p_{t_2}/p_{t_1}}$	30
0.50	.96154	.85062420	.8846492	98058	.4902904	4337549	1.34622		- -	
•51	-96005	84519370	8803674	.97982	4997081	4399266	1.32727			
•52	•95853	83969980	.8760286	.97905	-5091038	· 44 59893	1.30923			
•53	•95699	.83414470	.8716346	.97826	.5184769	.4519223	1.29204			
.54	•955 4 2	.82853050	.8671866	.97746	.5278273	- 4 577246	1.27566			
•55	•95383	82286040	.8626870	.976 64	•5371545	·46339 61	1.26005			
•56	•95222	.81713520	.8581359	.97582	5464583	•4689353	1.24517			
.57	-95058	81135790	. 8535356	.97498	•5557383	4743423	1,23097			
•58	.94893	.80552980	8488867	.97413	. 5649942	.4 796159	1.21744			
•59	.94 72 4	.79965390	8441915	.97326	.5742257	• 484 7563	1.20453			
•60	•9 4 554	.79373270	.8394518	.97239	•5834324	.48 97633	1.19221			
.61	•94381	.7877670 0	.8346 676	.97150	•59261 4 1	•49 4 6357	1.18047			
-62	•94206	.78175990	.829841.3	•97060	•6017705	.49 937 <i>3</i> 9	1.16927			
-63	94029	.7 75713 4 0	.8249744	. 96968	.6109013	. 5039777`	1.15859			
•64	.93849	. 76962930	.8200678	.96876	-6200061	. 5084469	1.14840			
•65	•93668	.76350970	. 8151251	.96782	6290847	.5127813	1.13870			
•66	• 9348 5	.75735740	.8101423	.96687	. 6381368	.5169814	1.12944			
•67	.93299	.75117410	. 8051265	.96591	.6471622	.5210472	1.12063			
•68	•92777	.74496190	. 8000772	96494	6561605	.5249789	1.11224			
-69	•92922	.73872260	7949957	96396	6651314	•5287764	1.10425			
.70	•92730	•732 4 58 4 0	.7898832	. 96296	.67 4 07 4 9	•5 3 2 44 03	1.09665			
.71	92536	•72617200	.7847422	.961.96	•6829905	-5359713	1.08943			
.72	92341	.71986370	.7795722	.96094	.691878 0	-5393687	1.08257			
.73	.92143	.71353700	.7743761	.95991	.7007373	•5426340	1.07605			
-74	91944	.70719340	.7891549	. 95888	•7095679	. 5457675	1.06987			
•75	-91743	.70083490	•76 39 101	.95783	-7183698	. 5487698	1.06402			
-76	.9154 0	69446290	•7586425	.95677	.7271 4 26	•5516411	1.05848			
. •77	-91336	.68808040	•7533546	.95570	7358862	•5543831 •5543831	1.05325			
.78	.91129	681,68850	-7480469	95462	.7446004	.5569958	1.04831			
.79	.90921	67528930	•7427211	.95353	•75328 48	•5594803	1.04365			
.80	-90711	•66888390	-7373777	.95242	•761.93 94	.5618369	1.03927			
.81	•90500	-66247470	.7320188	.95131	. 7705638	.5640670	1.03516			
.82	-90287	•65606400	-7266461	.95019	.7791581	.5661720	1.03132 1.02772			
.83	.90072	64965280	.7212603	.94906	.7877217	•5681522	1.02437			
.84	-89856 POCZO	.64324260	-7158622 -7104547	.94792	-7962 54 8	•5700085				
-85	•89638 00420	.63683580	.7104541	.94677	.8047568	.5717427 5787558	1.02127 1.01839			
-86	-89419	.63043350	•7050366 6006336	.94561	8132280	•57 53 553 •57 48 478	1.01575			
-87	•89198 •	.62403750	•6996 <u>11</u> 0	.94445	.8216679	.5762214	1.01333			
-88	•88976 99753	61764950	-89 <u>41</u> 789	.94327 .94208	.8300764 .8384534	.5774768	1.01333			별
.89 .90	.88752 .00527	.61127060	.6887407 .6832984	94089	8467987	.5786161	1.00914			NACA
	•88527 88707	.60490290		93968	8551121	.5796401	1.00735			¥
.91 .92	-88301 -89077	•59854760 •6000000	6778529			•5905507	1.00577			
.93	•88073 •87844	.59220670 .58588010	.6724058 .6669566	.93847 .93725	.8633956 .8718428	-581.3478	1.00439			13
.94	•87614	.57957110	.6615086	93602	.8798599	-5820347	1.00321			
.95	•87382	•57327920	.6560608	.93478	-8880445	.5826110	1.00222			3981
.96	87149	.56700770	.6506165	93354	8961964	.5830800	1,00141			ള
.97	86915	.56075650	.6451751	•93228	9043158	.5834420	1.00079			F
-98	86680	.55452720	6397382	•93102	9124024	.5836985	1.00035			
.99	86444	•54832090	6343065	.92975	9204561	-5838512	1.00009			
		-U-KARUUU		+00-10						

M	$ extbf{r/r}_{ extbf{t}}$	$_{ t p/p_{ t t}}$	$ ho/ ho_{ m t}$	a/a_t	V/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A	M ₂	$\mathbf{p_{t_2}/p_{t_1}}$	NACA
1.00	.86207	.54213920	.6288815	.92848	.9284768	.5839019	1.00000	1.00000	1.000000	ä
1.01	85969	.53598330	6234644	.92719	.9364643	.5838522	1,00008	.89013	1.000000	
1.02	85729	52985360	6180552	92590	.94441.86	.5837027	1.00034	.98050	.999991	I
1.03	85489	.52375170	6126555	.92460	.9523396	.5834560	1.00076	.97111	.999968	2
1.04	85247	.51.767830	6072658	92330	.9602272	.5851131	1.00135	.96194	.999923	ĊA
1.05	.85005	.51163550	.6018881	.92198	.9680813	.5826766	1,00210	95300	.999850	<u> </u>
1.06	84762	.50562280	5965218	.92066	.9759018	.5821465	1,00301	.94427	.999748	3 981
1.07	84518	49964240	.5911690	.91934	.9836886	.5815260	1.00408	.93574	.999605	•
1.08	.84273	49369470	.5858301	.91800	.9914418	.5808163	1.00531	.92741	.999423	
1.09	.84027	.48778040	.5805058	.91666	,9991611	5800185	1.00670	.91,927	.999190	
1.10	.83780	48190060	.5751967	.91532	1.0068470	.5791347	1.00825	.91132	.998909	
1.11	.83533	.47605610	.5699040	.91396	1.0144980	.5781663	1.00992	.90354	.998572	
1.12	.83284	47024760	.5646283	.91260	1.0221160	.57711.53	1.01176	.89594	.998181	
1.13	.83036	46447640	.5593709	.91124	1.0296990	5759836	1.01375	88851	.997724	
1.14	.82786	45874250	.5541317	.90987	1.0372490	.5747722	1,01588	883.25	.997205	
1.15	.82535	45304660	.5489114	90849	1.0447640	5734828	1.01817	.87412	.996621	
1.16	.82284	.44739010	.5437115	.90711	1.0522450	.5721176	1.02060	.86715	.995966	
1.17	.82033	44177310	.5385321	.90572	1.0596920	.5706782	1.02317	86033	.995242	
1.18	.81781	43619640	.5353741	90433	1.0671050	.5691660	1.02589	.85366	.994444	
1.19	.81528	.43066110	.5282386	,90293	1.0744830	.5675835	1,02875	84712	.993572	
1.20	.81274	.42516660	.5231251	.90152	1.0818280	.5659311,	1.03176	.84071	.992623	
1.21	.81,020	.41971410	.5180346	90011	1.0891380	5642109	1,03490	.83444	.991597	
1.22	,80766	41430370	.5129676	.89870	1.0964130	5624245	1.03819	.82829	.9904 <i>9</i> 2	
1.23	.80511	.40893660	.5079254	.89728	1,1036550	.5605742	1.04162	.82227	.989309	
1.24	.80258	.40361310	.5029084	.89586	1.1108610	.5586615	1.04518	81636	.988045	
1.25	.80000	39833300	.4979163	89443	1.1180540	.5566873	1.04889	81.057	.986699	
1.26	.79744	39309700	.4929499	.69299	1.1251720	.5546535	1.05275	60490	.985273	
1.27	.79487	.38790590	.4880105	.89156	1.1322760	.5525626	1.05672	.79933	.983763	
1.28	.79230	.38275930	.4830974	.89011	1.1393460	.5504148	1.06084	.79387	.982171	
1.29	.78973	.37765820	.4782120	.88867	1.1463810	.5482131	1,06510	.78851	.980497	
1.30	.78715	.37260220	.4733538	.88722	1.1533820	.5459577	1.06950	.78325	.978739	
1.31	.78457	.36759200	.4685240	.88576	1.1603460	.5436510	1.07404	.77809	.976900 ·	
1.52	.78199	.58262820	.4637231	.88430	1.1672810	,5412951	1.07871	.77303	. 97 4 978	
1.33	.77941	.35771030	.4589509	.88284	1.1741790	5388904	1.08353	.76806	.972971	
1.34	,77682	.35283900	4542082	.88138	1,1810430	.5364393	1,08848	.76318	.970887	
1.35	.77423	.34801420	.4494 951	.87991	1.1878720	.5339428	1,09357	.75838	.968716	
1.38	.771,64	.34323590	.4448118	.87843	1.1946680	.5314023	1,09879	. 75568	.966467	
1.37	.76905	.33850480	.4401.592	.87696	1.2014290	,5288200	1.10416	.74905	.984137	
1.38	.76 84 6	.33382050	.43553 69	.87548	1.2081560	,52619 64	1,10967	.74451	.961726	
1.39	.76386	.32918370	4509462	.87399	1.2148490	.5235347	1.11531	.74005	.959236	
1.40	.76127	.32459320	.4263857	.8725 1	1.2215080	,5208337	1.12109	.73566	.956667	
1,41	.75867	.32005070	.4218575	.87102	1.2281340	.5180974	1.12701	.73135	.954021	
1.42	.75607	.31.565490	.4173605	.86952	1.2547250	.5153253	1.13307	.72712	.951299	
1.43	.75348	.31110070	.4128958	.86803	1.2412820	.5125200	1.13928	.72296	.948499	
1.44	.75088	.30870540	4084629	.86653	1.2478060	.5096822	1.14562	.718 8 6	.945629	
1.45	.74828	.30235170	4040628	88503	1.2542950	5068141	1.15210	.71484	.9426Bl	
1.46	,74568	.29804490	3996949	86353	1.2607510	50391,57	1,15873	.71088	. 93 9658	ద
1.47	74308	.29378540	.3953599	86202	1.2671740	5009898	1,16550	.70699	936565	Γ-
1,48	.74049	.28957280	,3910577	.86052	1.2735620	4980364	1.17241	.70316	933403	
1,49	.73789	.28540730	3867885	.85901	1.2799180	4950575	1.17946	.69940	.930169	

TABLE III. - Continued. SPECIFIC HEAT, 1.32

							•			
M	$^{\mathrm{T/T}}_{\mathrm{t}}$	p/p_{t}	$p/ ho_{ m t}$	$^{\mathrm{a/a}}\mathrm{_{t}}$	$ exttt{V/a}_{ exttt{t}}$	$\rho_{\overline{v}}/\rho_{t}$ a_{t}	A/A _¥	M_{2}	$\mathbf{p_{t_2}/p_{t_1}}$	33 23
1.50	.73529	.28128860	•3825525	.85749	1.2862390	.4920541	1.18666	•69569	926870	
1.51	.73270	.27721670	•3783498	.85598	1.2925280	4890276	1.19401	. 69205	.923502	
1.52	.73011	.27319160	. 37 41 807	.85446	1.2987830	4859794	1.20150	68846	.920088	
1.53	.72751	.26923,290	3700450	.85294	1.3050050	4829105	1.20913	.68493	•916568	
1.54	.72492	26528030	.3659426	.85142	1.3111930	.4798215	1.21691	.681.46	-913007	
1.55	.72233	.26139410	.3618740	.84990	1.3173490	4767144	1.22485	.67804	. 909 3 83	
1.56	.71975	25755400	-3 578393	.84838	1.3234720	4735902	1.23293	.67467	.905701	
1.57	. 71716	.2 5375960	• 3538383	.84685	1.3295620	4704498	1.24116	.67136	•901955	
1.58	.71458	25001100	.3498714	84533	1.3356190	4672946	1.24954	.66810	-898154	
1.59	.71200	-24630770	3459382	.84380	1.3416430	4641254	1.25807	•66 4 88	.894299	
1.60	.70942	·24264950	• 5420387	.84227	1.3476340	4 609 43 0	1.26675	. 66172	.890387	
1.61	.70685	23903630	. 5383.732	84074	1.3535930	4577489	1.27559	.65860	.886417	
1.62	.70427	23546790	3343418	.83921.	1.3595200	4545442	1.28459	.65553	.882401	
1.63	.70170	.23194400	3305443	.83768	1.3654140	4513297	1.29374	.65251	-87833 0	
1.64	.69914	22846410	.3267804	.83614	1.3712760	-4481060	1.30304	.64953	.874212	
1.65	. 69657	22502840	.3230508	.83461	1.3771060	4448749	1.31251	.64660	. 870047	
1.68	.69401	.22163620	-3193547	83307	1.3829030	·4416366	1.32213	.64371	. 865835	
1.67	.69146	.21828720	-3156922	.83154	1.3886690	-4383918	1.33192	.64086	.861577	
1.68	.68890	21498150	.3120637	.83000	1.3944030	4351425	1.34187	.63805	-857277	
1,69	•68635	21171850	.3084688	80846	1.4001050	·4318886	1.35197	.63529	.852933	
1.70	68380.	20849810	3049076	.82693	1.4057750	4286515	1.36225	.63256	.848549	
1.71	.68127	.20531970	.3013798	.82539	1.4114140	.4253715	1.37269	.62987	844127	
1.72	.67873	20218330	.2978856	.82385	1.4170210	4221101	1.38329	.62722	-839665	
1.73	.67619	19908850	2944248	.82231	1.4225970	.4188478	1.39407	.62461	.835168	
1.74	.67367	.19603 40 0	.2909972	.82077	1.4281420	4155852	1.40501	.62203	.830636	
1.75	.67114	19302190	2876026	.81923	1.4336560	4123231	1.41613	.61949	.826072	
1.76	.66862	19004970	.2842414	.81769	1.4391390	.4090627	1.42741	.61699	.821474	
1.77	.66611	.18711770	2809131	.81.615	1.4445900	4058043	1.43888	.61452	816845	
1.78	66359	18422540	.2776173	81461	1.4500120	4025482	1.45052	.61209	.812188	
1.79	.661.09	.18137260	.2743544	.81307	1.4554020	.3992958	1.46233	.60968	.807503	
1.80	65859	17855910	.2711241	.81153	1.4607620	-3960477	1.47432	.6073L	.802788	
1.81	.65609	.17578440	·2679264	.81000	1.4660910	3928045	1.48650	60498	.798050	
1.82	65360	.17304800	2647607	.80846	1.4713900	.3895662	1.49885	.60267	.793286	
1.83	.65112	.17034990	2616275	.80692	1.4766600	.3863345	1.51139	•60040	788504	
1.84	.64864	.16768930	2585259	.80538	1.4818980	.3831.091	1.52411	.59815	.783696	
1.85	.64616	.16506610	2554563	.80384	1.4871.080	.3798910	1.53703	•5 9 594	.778872	
1.86	64369	16247980	2524182	.80230	1.4922870	.3766803	1.55012	•59375	.774027	
1.87	.64123	15993030	2494120	.80077	1.4974360	.3734784	1.56342	.59160	769162	
1.88	63877	15741690	.2464368	.79923	1.5025560	.3702851	1.57690	-589 4 7	.764285	
1.89	63632	15493940	2434929	79770	1.5076470	.3671013	1.59057	.58737	.759390	Z
1.90	•63387	15249750	2405801	.7963.6	1.5127080	3639275	1.60445	.58529	.754482	NACA
1.91	,63143	-15009080	2376982	.79463	1.5177400	•36076 4 0	1.61852	•58325	.749561	Ä
1.92	62900	-14771860	2348466	.79310	1.5227430	.3576111	1.63279	.58123	.744629	
1.93	.62657	14538100	2320257	.79156	1.5277180	•3544697	1.64726	•57923	739683	H
1.94	62415	.14307730	2292350	.79003	1.5326630	.3513400	1.66193	.57726	.734733	
1.95	.62174	14060710	·2264741	.78850	1.5375790	.3482220	1.67681	.57532	,729771	3981
1.96	61933	13857030	2237434	.78697	1.5424690	. 5451169	1.69190	•57340	.724808	Ď
1.97	61692	.13636630	2210421	78545	1.5473270	3420245	1.70720	•57151	719831	H
1.58	.61453	13419490	2183705	78392	1.5521590	.3420243 .3389457	1.72270	.56964	.714853	
1.99	61214	13205550	-23.57280	.78239	1.5569620	.3358803	1.73842	.56779	.709872	
1.00	ALLEN X	***************************************	- CLD 1 CUV	• 1 0E 30	71000000	• 2020000	T+1 75#6	490119	1100016	

TABLE III. - Continued. SPECIFIC HEAT, 1.32

M	T/T _t	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	V/a _t	ρ _v /ρ _t a _t	A/A _*	м ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	NACA
2.00	.60976	.12994780	2131145	.78087	1.5617580	.3528289	1.75436	. 56596	.704884	Ę.
2.01	.60738	.12787160	.2105300	.77955	1.5664850	.3297920	1.77052	.56416	.699898	
2.02	.60501	.12582640	.2079740	.77782	1.5712050	.3267696	1.78689	.58238	.694911	TN 3981
2.03	.60265	.12381190	.2054466	.77630	1.5758970	.3237625	1.80349	.56062	.689922	×
2.04	.60029	.12182760	2029473	.77479	1.5805620	.3207707	1.82031	.55888	,684934	(A
2.05	.59794	.11987310	.2004759	,77327	1.5851990	.3177941	1.82031 1.83736	.55717	.879950	œ
2.06	.59560	.11794820	.1980323	.77175	1.5898090	.3148334	1.85464	.55547	.674969	Ĕ
2.07	.59327	.11605250	1956163	.77024	1.5943920	.3118890	1.87215	.55380	.689988	
2.08	.59094	.11418550	.1932275	.76875	1,5989480	.3089605	1,88989	.55214	.665014	
2.09	.58862	.11234710	.1908662	.76721	1.6034770	.3060494	1.90787	. 55050	.660046	
2.10	.58630	.11053670	1885315	.76570	1,6079800	.3031548	1.92609	.54889	.655084	
2.11	.58400	.10875400	.1862235	.76420	1,6124560	.3002771	1.94454	.54729	.650130	
2.12	.58170	.10699880	.1839422	.76289	1.6169060	.2974172	1.96324	.54571	.645182	
2.13	.57941	.10527050	.1816869	.76119	1,6215300	.2945742	1.98219	.54415	.640242	
2.14	.57712	.10356880	.1794575	.75969	1.6257270	.2917486	2,00139	.54261	.635315	
2.15	.57484	.10189350	.1772540	.75819	1.6300980	.2889413	2.02085	.54109	.630395	
2.16	.57258	.10024410	-1750760	.75669	1.6344440	.2861517	2,04053	.53958	,625486	
2.17	.57031	.09862022	.1729231	.75519	1.6387630	.2833799	2.06049	.53810	.620590	
2.18	.56806	.09702172	.1707956	.75370	1.6430580	.2806269	2.08070	.53662	615705	
2.19	.56581	.09544824	.1686930	.75220	1.6473260	.2778922	2.10118	.53517	.610833	
2.20	58357	.09589945	.1666152	.75071	1.6515700	2751765	2.12192	.53373	.605977	
2.21	.56134	.09237488	1645615	.74925	1.6557880	2724789	2,14293	.53231	.601133	
2.22	.55911	.09087385	1625320	.74774	1.6599810	2698000	2.16420	.53091	.596304	
2.23	.55690	.08939680	.1605267	.74626	1.6641500	2671402	2,18575	.52952	.591491	
2.24	.55469	.08794273	1585446	.74477	1.6682930	.2644987	2.20758	.52814	.588695	
2.25	.55249	.08851192	1565867	.74329	1,6724120	.2618772	2.22968	.52678	.581913	
2,28	.55029	.08510361	1548517	.74182	1.8765060	.2592744	2.25206	.52544	.577151	
2.27	.54811	.08371784	1527399	.74054	1,6805760	.2566909	2.27473	.52411	.572402	
2.28	.54593	.08235367	1508609	.73887	1.6846220	.2541267	2.29768	.52280	,567674	
2,29	.54376	.08101156	1489845	.73740	1.6886430	.2515816	2.32092	.52150	.562966	
2,30	.54159	07969059	1471404	.73593	1.6926410	.2490557	2.34446	.52021	.558275	
2,31	.53944	07839059	1453187	.73447	1.6966150	.2465497	2.36829	.51894	.553604	
2.32	.53729	.07711146	.1435187	.73300	1.7005650	.2440628	2.39242	.51769	,548953	
2,33	.53515	.07585285	.1417405	.73154	1.7044920	.2415953	2,41686	.51644	.544323	
2.34	.53302	.07461445	.1399839	.73008	1.7083950	.2391477	2.44159	.51521	.539712	
2.35	.53090	.07339592	.1382486	.72863	1.7122750	.2367194	2.46664	.51399	,535124	
2.56	.52878	.07219680	.1366340	.72717	1.7161320	.2343102	2.49200	.51279	.530557	
2.37	.52668	.07101727	.1348409	.72572	1.7199650	.2519215	2.51767	.51160	.526012	
2.39	.52458	.06985652	.1331678	.72428	1,7237760	.2295513	2.54367	.51042	.521.488	
2.39	.52248	.06871459	.1315154	.72283	1.7275640	.2272011	2.56998	.50928	,51 699 0	
2.40	.52040	.06759117	1298833	.72139	1.7313300	.2248708	2.59661	.50810	.512512	
2.41	.51832	.06648596	.1282712	.71995	1.7350730	.2225596	2,62357	.50696	.508059	
2.42	.51626	.06539653	.1266786	.71851	1.7387930	.2202677	2.65087	.50585	.503628	
2.43	.51420	.06432873	.1251056	.71707	1.7424910	.2179952	2.87850	.50472	.499223	
2.44	.51214	.06327643	.1235521	.71564	1.7461670	.2157425	2,70847	.50361	.4948 4 1	
2.45	.51010	.06224120	.1220177	.71421	1,7498220	.2135090	2.73478	.50252	.49048 3	
2.46	.50806	.06122277	1205022	.71279	1.7534540	.2112948	2.76344	.50145	.486149	없
2.47	.50604	.06022100	1190054	.71136	1,7570640	.2091000	2.79245	.50036	.481841	И
2,48	50402	.05923563	.1175274	.70994	1.7606530	.2069248	2.82181	.49930	.477560	
2.49	.50200	.05826624	.1160674	.70852	1.7642210	.2047683	2.85152	.49825	.473301	

TABLE III. - Continued. SPECIFIC HEAT, 1.32

M	T/T _t	p/p _t	ρ/ρ _t	a/a _t	v/a _t	$\rho_{ m v}/\rho_{ m t}$ a _t	A/A _*	M ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	34
0 50	.50000	.05731271	.1146255	.70711	1.7677670	.2026310	2.88160	.49721	.469070	4-
2.50 2.51	.49800	.05637480	.1132016	.70569	1.7712920	.2005129	2.91204	49618	.464864	
	.49602	.05545235	1117956	.70428	1.7747960	.1984141	2.94284	.4951.6	. 460684	
2,52	49404	.05454488	.1104068	.70288	1.7782790	.1963338	2.97403	.49416	.456530	
2.53 2.54	49206	05365238	1090354	,70147	1.7817410	.1942727	3.00558	.49316	452400	
2.55	49010	.05277448	.1076811	.70007	1.7851820	1922302	3.03751	.4921.7	.448300	
2.56	48814	.05191107	.1063438	.69867	1.7886030	.1902067	5,06983	49119	444225	
2.57	48620	.05106190	.1050234	.69728	1.7920030	1882021	3.10253	.49023	.440178	
2.58	48426	.05022662	1037192	,69589	1.7953830	,1882021 ,1862156	3.13562	.48927	.436157	
2.59	48232	.04940512	.1024315	.69450	1.7987430	.1842478	3.16911	.48832	.432161	
2.60	.48040	.04859717	1011599	69511	1.8020830	1822984	3.20300	.48738	.428194	
2.61	47848	01780266	.0999045	.69173	1.8054030	.1803678	3.23729	.48645	.424254	
2.62	,47658	04702113	.0986648	.69034	1.8087020	.1784549	3.27199	.48553	.420340	
2.63	47468	.04625259	.0974405	.68897	1.8119820	1765605	3,30710	.48462	.416454	
2.64	47278	.04549671	.0962317	.68759	1.8152430	.1746839	3.34262	.48371	.412596	
2.65	47090	.04475329	.0950381	.68622	1.8184840	.1728252	3.37857	48282	.408765	
2.66	46902	04402223	.0938596	68485	1.8217060	.1709846	3,41494	.48193	.40 496 1	
2,67	46715	.04330530	.0926951	68349	1.8249080	.1691618	3.45174	,48106	.401185	
2.68	46529	.04259621	.0915471	.68212	1.8280920	.1673564	3.48897	4801.9	.397437	
2.69	46344	.04190096	.0904129	68076	1.8312560	.1655691	3.52664	.47933	.593714	
2.70	.46160	.04121716	.0892928	.67941	1,8344020	1637989	3.56474	.47846	.390021	
2.71	45976	.04054479	.0881872	.67805	1.8375290	.1620464	3.60330	.47763	.386354	
2.72	45793	.03988348	0970953	.67670	1.8406370	.1603108	3.64251	.47680	.382717	
2.73	.45611	.03923313	.0860172	.67536	1.8437260	.1585922	3.68178	.4 7597	.379106	
2.74	45429	.03959375	.0849532	.67401	1.8467970	.1568912	3.72170	.4 7 51 5	.375 523	
2.75	.45249	03796488	.0839024	.67267	1.8498500	.1552068	3.76208	,47433	.371966	
2.76	45069	.03734651	.0828650	.67134	1.8528850	.1535393	3.80294	.47353	.368 4 38	
2.77	.44890	.03673838	.0818498	.67000	1.8559010	. 1518884	3.84428	.47273	.364937	
2.78	.44712	.03614040	.0808296	.66867	1.8589000	.1502541	3.88609	.47194	.361463	
2.79	.44534	.03555241	.0798314	.66734	1.8618810	.1486365	3,92839	.47116	.358017	
2,80	.44358	.03497414	.0788457	.66602	1.8648440	.1470349	3.97118	.47039	.354598	
2.81	.44182	.05440559	.0778728	.66469	1.8677900	.1454499	4.01445	.46962	.351207	
2,82	.44007	.03384644	.0769121	.66338	1.8707180	.1438808	4.05823	.46886	.347843	
2.83	.43832	.03329660	.0759637	.66206	1.8756280	.1425277	4.10252	.46810	.344506	
2.84	.45659	.03275601	.0750275	.66075	1.8765220	.1407908	4.14731	.46736	.341197	
2.85	.45486	.03222434	.0741031	.65944	1.8793980	.1392692	4.19261	46662	.337914	
2.86	.43314	.03170158	.0731906	65813	1.8822570	.1377635	4,23844	46588	.334659	
2.87	.43142	.03118753	.0722897	.65683	1.8850990	.1362732	4.28478	46516	.351430	
2.88	.42972	.05068209	.0714004	.65553	1,8879240	.1347986	4.33166	.46444	.328228	
2.89	42802	.03018505	.0705224	.65423	1.8907330	.1333391	4.37908	.46572	.525054	₹
2,90	42633	.02969634	.0696557	.65294	1.8935250	.1318949	4.42703	.46301	.321905	NACA
2.91	.42465	.02921574	.0688000	.651.65	1.8963000	.1304656	4.47554	.46231	.318784	
2.92	.42297	.02874319	.0679553	.65036	1.8990590	.1290512	4.52458	,46162	.315689	Ħ
2.95	.42130	.02827847	.0671213	.64908	1.9018020	.1276515	4.57418	46093	.312620	
2,94	.41964	.02782153	.0662980	.64780	1,9045280	.1262665	4.62436	.46025	.309578	3981
2.95	.41799	.02737228	.0654854	.64652	1,9072390	.1248964	4.67510	.45957	.306562	36
2.96	.41634	.02693047	.0646831	.64525	1.9099330	.1255405	4.72641	.45890	.303571	出
2.97	.41471	.02649603	.0638910	.61398	1.9126120	.1221988	4.77829	.45824	.300606	•
2.98	41308	.02606885	.0631091	.64271	1.9152750	.1206713	4.83078	. 4 5758	-297668 204757	
2.99	.41145	.02564985	.0623374	.64145	1.9179220	.1195582	4,88383	.4569 3	.294757	

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TABLE III. - Continued. SPECIFIC HEAT, 1.32

	<i>L</i>	,	, -	- /-	· • • • • • • • • • • • • • • • • • • •	- /	A /A	v	n /n
M	$ exttt{T/T}_{ exttt{t}}$	$_{ m p/p}_{ m t}$	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$ exttt{V/a}_{ exttt{t}}$	$ ho_{ m v}^{ m / ho_{ m t}}$ a $_{ m t}$	A/A	M ₂	$^{\mathrm{p}}$ t $_{\mathrm{2}}^{/\mathrm{p}}$ t $_{\mathrm{1}}$
3.00	40984	.02523585	.0615754	.64018	1.9205530	.1182590	4.93750	.45628	.291870
3.01	40823	.02482968	.0608232	.63893	1.9231690	.11.69733	4.99176	45564	.28901.0
3.02	.40683	.02 44 3031	.0600808	.63767	1.9257700	.1157014	5.04663	.45500	.286173
3.03	40503	.02403765	.0593476	.63642	1.9283550	.114 44 33	5.10212	.45457	.283362
3.04	.40344	.02365152	.0586240	.63517	1.9309250	.1131986	5.15821	45375	.280577
3.05	.40186	.02327180	.0579095	.63393	1.9334800	.111.9670	5 .21.495	.4531.3	.277816
3.06	.40029	.02289846	.0572044	.63269	1.9360200	.1107 4 89	5.27232	.45251	.275080
3.07	.39875	.022531,30	.0565081	.63145	1.9385450	.1095437	5.33033	.4 51.91	.272368
3.08	.39717	.02217028	.0558208	.63021,	1.9410560	.1083615	5.38898	.451,30	.269682
3.09	.39562	.021,81,530	.0551424	.62898	1.9435520	.1071721	5 .44827	.45070	.267021
3.10	.39407	.02146620	.0544726	.62775	1.9460320	.1060055	5.50822	.45011	.264382
3.11	.39254	.02112297	.0538115	.62653	1.9484990	.1048517	5.56885	44952	.261768
3.12	.39101	.02078538	.0531587	.62530	1.9509510	.10371,00	5.63014	.44 894	. 259180
3.13	.38948	.02045347	.0525144	.62409	1.9533890	.1025810	5.69212	.44 836	.25661.3
3.14	.38797	.0201,2709	.0518783	.62287	1.9558130	1014642	5.75476	. 44 779	. 254072
3.15	.38646	.01980614	.0512504	.62166	1.9582220	.1003596	5.81.811	.44722	. 251553
3.16	.38496	.01949054	.0506305	62045	1.9806180	.0992670	5.88214	.44666	.249058
3.17	.38346	.01918019	.0500186	.61924	1.9629990	.0981864	5.94689	.44 63,0	.246586
3.18	.38197	.01887500	.04941.45	61,804	1.9653670	.0971175	6.01233	.44554	.2441 ,37
3.19	.38049	01857488	.0488181	.61684	1.9677210	.0960603	6.07850	.44499	.241711
5.20	.37902	.01827978	.0482294	.61564	1.9700610	.0950148	6.14540	.44445	.239309
3.21	.37755	.01798958	0476482	61,445	1.9723880	.0939807	6.21301	.44 391	.236927
3.22	.37609	.01770419	.0470744	.61,326	1.9747010	.0929579	6.28138	.44337	.234571
3.23	.37464	.01742352	.0465080	61207	1.9770000	.0919463	6.35048	·44284	.232236
3.24	37319	.01714751	.0459487	.61089	1.9792870	.0909457	6.42034	.44231.	.229921
3.25	37175	.01687613	.0453968	60971	1.9815600	.0899565	6.49096	.44179	.227631.
3.26	.37031	.01660921	.0448518	60853	1.9838200	.0889779	6.56233	.44127	.225361
3.27	.36889	01634677	0443139	.60736	1.9860670	,08801.03	6.63450	44075	.223114
3.28	.36747	01608862	.0437827	.60619	1.9883010	.0870531	6.70743	.44024	.220888
3.29	36605	01583477	.0432583	.60502	1.9906220	.0861.086	6.78115	.43974	.218682
3.30	36464	.01558515	.0427407	.60386	1.9927300	.0851,707	6.85567	43923	216499
3.31	.36324	01533967	0422297	.60270	1.9949260	.0842450	6.93099	.43873	.21,4337
3.32	.361.85	.01509823	.0417252	.60154	1.9971090	.0833298	7.00713	43824	.212196
3.33	.36046	.01486079	0412272	.60038	1.9992790	.0824244	7.08408	43775	.21,0075
3.34	.35908	01462726	.0407354	.59923	2.0014370	.0815293	7 16185	.43726	207974
3.35	.35771	01439763	.0402500	. 59808	2.0035830	.0806442	7.24048	.43678	.205895
3.36	.35634	.01417177	.0397708	•59694	2.0057160	.0797688	7.31993	43630	,203836
3.37	.35497	.01394964	.0392976	.59580	2.0078370	.0789031	7.40023	.43583	.201797
3.38	.35362	.01373119	.0388305	.59466	2.0099460	.0780472	7.48139	43536	.199776
3.39	.35227	.01351637	.0383894	.59352	2.0120430	.0772009	7 .56342	43489	.197778
3.40	.35093	01330504	.03791.41	.59239	2.0141270	.0763637	7.64633	43443	.1.95797
3.41	.34959	01309722	0374646	.591.26	2.0162000	.0755360	7.73011	.43397	.193836
3.42	.34826	.01289285	0370208	.59014	2.0182620	.0747177	7.81478	.43351	.191896
3.43	.34694	.01269179	,0365826	.58901	2.0203110	.0739083	7 .90034	.43306	.189975
	.34562	01249410	.0361501	.58789	2.0223480	.0731082	7.98683	.43261	.188072
3.44	.34431	.01229982	.0357230	•58678	2.0243750	.0723168	8.07421	.43216	.186187
3.45		01210837	.0357230	.58566	2.0263890	.0715344	8.16253	.43172	184322
3.46	.34300	.01192026	.0348852	.58 4 55	2.0283920	.0707608	8.25178	.431.28	.182474
3.47	.34170	.01173521	.0344741	.58344	2.0303840	.0699957	8.34195	.43084	.180647
3.48	.34041	.01155324	0340684		2.0323650	.0692393	8.43311	.45041	.178836
3.49	.3391,2	•25 CCTTD•	.0340004	.58234	6 .U36303U	10000000	C + W-C-C-L-L-L-L-L-L-L-L-L-L-L-L-L-L-L-L-L-		

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TABLE III. - Continued. SPECIFIC HEAT, 1.32

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M	$ exttt{T/T}_{ exttt{t}}$	$_{ m p}/_{ m p}_{ m t}$	$ ho/ ho_{ m t}$	a/a_t	v/a_{t}	$ ho_{f v}/ ho_{f t}$ ${f a}_{f t}$	A/A_*	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	36
3,50	.53784	.01137423	.0336677	.58124	2.0343340	.0684914	8.52519	.42998	.177044	O
3.51	.33656	.01119814	.0332721	.58014	2.0562920	.0677517	8.61825	.42956	.175270	
3.52	.33529	.01102496	.032881.6	.57905	2.0382390	.0670204	8,71229	.42913	173514	
3.53	.33403	.01085462	.0324960	. 57795	2,0401750	.0662974	8.80731	.42871	171774	
3.54	.33277	.01068705	.0321152	.57686	2.0421000	.0655824	8,90334	42830	.170053	
3.55	.33152	.01052223	.0317393	.57578	2.0440140	.0648755	9.00034	.42769	168349	
3,56	.33028	.01056010	.0313681	.57470	2.0459170	.0641765	9.09838	42748	166661	
3.57	.32904	.01020063	.0310016	.57362	2.0478100	.0634854	9.19742	.42707	.164991	
3.58	.32780	.01004377	.0306398	.57254	2.0496920	.0628021	9.29748	.42667	.163558	
3.59	.32657	.00988945	.0302824	.57147	2.0515640	.0621264	9.39861	.42627	.161701	
3,60	32535	.00973767	.0299297	.57040	2.0534250	-0614584	9.50076	.42587	.160081	
5.61	.32413	00958835	.0295814	.56933	2.0552760	.0607979	9.60399	.42547	.158477	
3.62	.32292	.009441.45	.0292374	.56826	2.0571160	.0601447			.156890	
3,63	.32172	.00929696	0288978	.56720	2.0589460	.0594989	9,70828	.42508	.155319	
3,64	32052	,00915480	.0285624	.56614	2.0607650	.0588604	9,81365	.42469		
3.65	.31,933	.00901496	.0282313	.56509	2.0625750	.0582291	9.92011	.42431	.153763	
3.66	.31814	.00901496		.56404			10.02767	.42392	.152224	
3.67			.0279043		2.0643740	.0576049	10.13631	.42354	.150700	
	,31695	.00874206	.0275814	.56299	2.0661640	.0569877	10.24608	.42317	.149191	
3,68	.31578	.00860893	.0272626	.56194	2.0679430	.0563775	10.35698	.42279	.147697	
3.69	.31461	.00847795	.0269478	.56090	2,0697130	.0557742	10.46904	.42242	.146220	
3.70	.31344	.00834909	.0266369	.55986	2.0714720	.0551777	10.58223	.42205	.144757	
3.71	.31228	.00822231	.0263300	.55882	2.0732220	. 0545878	10.69656	.42168	.1 4 3309	
3.72	.31112	.00809757	0260268	.55779	2.0749620	.0540046	10.81208	.42132	.141876	
3.73	.30998	.00797488	.0257275	.55675	2.0766940	.0534280	10.92874	. 42096	.140458	
3.74	30883	.00785414	.0254318	.55573	2.0784140	.0528579	11.04662	.42060	.139054	
3.75	.30769	.00773537	.0251.399	.55470	2.0801260	.0522942	11.16569	.42025	.137664	
3.76	.30656	.00761851	.024851.7	.55568	2.0818280	.051 <i>7</i> 370	11.28598	.41989	.136288	
3.77	.30543	.00750552	.0245670	_• 55266	2.0835200	.0511859	11.40748	.41954	.134927	
3.78	.30431	.00739040	.0242859	.551.64	2.0852040	.0506411	11.53021	.41919	.133581	
3.79	.30319	.00727909	.0240083	.55063	2.0868780	.0501024	11.65416	.41885	.132246	
3.80	.30208	.00716957	,0237341	54962	2,0885430	.0495697	11.77941	.41850	.130927	
3.81	.30097	.00706181	.0234634	.54861	2.0901980	.0490432	11.90590	.418 16	.129620	
3.82	.29987	.00695578	.0231960	.54760	2.0918450	.0485225	12.03366	.41783	.128328	
5.8 3	,29877	.00685144	.0229319	.54860	2.0934830	.0480076	12.16268	.41749	.127048	
3.84	.29768	.00674879	.0226712	.54560	2.0951110	.0474987	12.29303	.41716	.125781	
3,95	.29660	.00664777	.0224136	.5446l	2.0967310	.0469953	12.42468	.41682	.124529	
3.86	.29551	.00654838	.0221593	.54361	2.0983420	.0464978	12.55763	41650	.123288	
3.87	.29444	.00645057	.0219081	.54262	2.0999440	-0460057	12,69191	.41617	.122060	
5,88	,29357	.00635432	.0216600	.541.63	2.1015370	.04551.93	12.82756	.41585	.120846	
3.89	.29230	.00625962	.0214150	.54065	2.1051220	.0450384	12.96455	.41552	.119644	l-sel
3.90	.29124	.00616640	.0211730	.53967	2.1046980	.0445627	13.10290	.41520	.118454	NACA
3.91	.29018	.00607469	.0209340	.53869	2,1062650	.0440925	13.24263	.41489	.117276	5
3.92	,28913	.00598443	.0206979	.53771	2.1078240	.0436275	13.38375	.41457	.116111	
3.93	.28809	.00589561	.0204648	.53674	2,1093740	.0431678	13.52628	.41426	.114957	AT.
3.94	.28704	.00580822	.0202345	.53577	2.1109170	.0427134	13.67023	.41395	.113815	
3.95	.28601	.00572220	.0200071	.53480	2.1124510	0422640	13.81557	41364	.112686	Ņ
3.96	,28498	.00563754	.0197825	.53383	2.1139760	.0418197	13.96239	.41333	.111568	3981
3.97	.28595	.00555423	.0195606	.53287	2.1154930	.0413803	14.11063	.41303	.110461	ŭ
3.98	.28293	.00547224	.0193414	.53191	2.1170020	.0409458	14.26034	.41272	.109366	٠
3,99	.28191	.00539154	.0191250	53095	2.1185030	.04057,63	14.41153	41242	.108283	
						- 6 - 60 - 70 - 70	T45 - # T TY	* ATM-20	.100200	

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TABLE III. - Continued. SPECIFIC HEAT, 1.32

M	T/T _t	$_{\mathtt{p/p}_{t}}$	$ ho/ ho_{ m t}$	a/a_t	v/a_{t}	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A	M ₂	$\mathbf{p_{t_2}/p_{t_1}}$
4.00	.29 090	.00531213	.0189112	.53000	2.1199960	.0400916	14.56419	.41213	.107211
4.01	.27989	-00523397	.0187000	•52905	2.1214800	.0396717	14.71838	.41183	.106150
4.02	.27889	.00515705	.0184914	.52810	2.1229580	.0392565	14.87405	41153	.105099
4.03	.27789	.005081,32	.0182854	.52715	2.1244260	.0388459	15.03122	41124	. 104060
4.04	. 27690	.00500680	0180818	.52621	2.1258870	.0384399	15.18997	41.095	.103031
4.05	. 275 91	.00493345	.0178808	.52527	2.1273400	.0380386	15.35028	.41066	.102013
4.06	. 27 4 92	.00486126	.0176822	.52433	2.1287860	.0376417	15.51212	.41038	.101006
4.07	.27394	.00479020	0174861	.52340	2.1302230	.0372493	15.67555	.41009	-100009
4.08	.27297	.00472026	.0172923	.52246	2.1316540	.036861.2	15.84058	40981	.099022
4.09	-27200	•00 4 65 14 0	-0171009	.52153	2.1350760	.0364774	16.00718	40953	.098046
4.10	.27103	•00 4 58363	•0169118	.52061	2.1344900	.0380980	16.17544	·40925	.097079
4.11	.27007	00451694	.0167250	.51968	2.1358980	.0367229	16.34531	.40897	.096123
4.12	-26911	-00445127	.01654 05	.51876	2.1372970	.0353520	16.51683	40870	.095177
4.13	.26816	·00438663	.0163582	•5178 4	2.1386900	.0349851	16.68998	.4 08 43	.094240
4.14	.26721	.00432301	.0161781	.51693	2.1400750	.0346224	16.86482	.40816	.093314
4.15	-26627	00426037	*076000S	.51601	2 1414520	-0342637	17.04134	.4 0789	.092397
4.16	•26533	.00419872	0158245	.51510	2,1428230	.0339092	17.21956	.40752	.091489
4.17	-26439	.00413801	•0156509	.514 19	2.1441860	.0335584	17.39955	.4 07 5 5	.090591
4.18	-26346	.00407827	.0154794	.51329	2.1455420	.0332117	17.58121	· 4 0709	.089702
4.19	-26254	.00401944	-0153100	.51238	2.1468910	.0328688	17.76458	.40682	.088823
4.20	-26162	.00396153	.0151426	.51148	2.1482320	.0325297	17.94976	.4 0656	.087952
4.21	.26070	.00390452	.0149772	.51059	2.1495670	.0321.945	18.13672	·40631	.087091
4.22	25978	.00384839	0148138	•50969	2.1508940	.0318629	18.32545	.4 0605	.086238
4.23	-25888	.00379314	0146524	•50880	2.1522150	.0315351	18.51593	.40579	.085395
4.24	-25797	.00373873	0144929	.50791	2.1535290	0312108	18.70829	.40554	.084560
4.25	-25707	.00368517	0143363	-50702	2.1548350	.0308903	18.90245	. 40529	.083734
4.26	•25617	00363244	.0141796	.50614	2.1561360	.0305732	19.09846	• 4 0503	.082916
4.27	-25528	.00358052	01,40258	50525	2.1574290	.0302597	19.29635	.40479	.082107
4.28	•25439	.00352939	02.38738	. 50437	2.1587150	.0299497	19.49608	.40454	.081306
4.29	•25351 •5007	.00347906	.0137237	•50350	2.1599950	-0296431	19.69771	.40429	.080514
4.30	25263	00342950	.0135753	.50262	2.1612680	.0293399	19.90126	.40405	.079730
4.31 4.32	-25175	.00338071	01.34288	-50175	2.1625340	.0290402	20.10670	.40380	.078954
	.25088	.00333266	.0132839	. 50088	2.1637940	.0287437	20.31409	-40356	.078186
4.33 4.34	.25001 .24915	.00328535 .00323876	0131408	.50001 .49915	2.1650480	.0284505	20.52344	. 40332	.077426
4.35	24829	.00319289	.0129994		2.1662950	.0281606	20.73477	.4 0309	.078874
4.36	.24743	.00314772	.0128597 .0127216	.49828 .49742	2.1675350	.0278738	20.94606	.40285	.075929
4.37	24658	.00310324	.0125852	.49657	2.1687690	.0275903 .0273098	21.16336	.40261	.075193
4.38	24573	00305943	.0123652	·49571	2.1699960 2.1712180	.0270325	21.38063	•40238 •4023	.074464
4.39	24469	00301630	0123372	49486	2.1724330	.0267582	21.60001	-40215	.073743
4.40	24405	.00297383	.0121856	49401	2.1736410	.0264870	21.82139	.40192	.073029
4.41	24321	.00293199	0120555	49316	2.1748440	.0262188	22.04486 22.27037	.40169 .40146	.072322 .071623
4.42	24238	•00289080	0119269	·49232	2.1760400	.0259535			
4.43	24155	.00285025	.0117999	49147	2.1772300	.0256911	22.49799 22.72774	.40123 .40101	,070931 .0702 4 7
4.44	.24072	.00281028	.0116744	49063	2.1784150	.0254317	22.95964		
4.45	.2399C	•00201025	0115744	.48980	2.1795930	.0254517	23.19364	-40079 40056	.069569 .068898
4.46	•2390E	.00273218	0114278	48896	2.1795950	.0249213		-40056 40034	
4.47	23827	.00269402	0113067	48813	2.1819300	.0246703	23.42989 23.68821	.40034 .40012	.068234 .067577
4.48	.23746	.00265643	,0111869	48730	2.1830910	.0244221	23.90882	.40012 .39990	.066927
4.49	23665	.00261941	01.10686	48647	2.1842450	.0241766	24.15158	.39969	.066284
		TWOODLEANE		- HOUZ (こっていぶりがいべ	* 0.0 det 0.0	で生きたいすれる	• 30 403	* 00020 4

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M	$^{\mathrm{T/T}_{\mathrm{t}}}$	$_{ t p}/_{ t p_{ t t}}$	$ ho/ ho_{ m t}$	a/a_t	⊽/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A_{*}	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	85
4.50	.23585	.00258295	.0109517	48564	2.1853940	.0239358	24.39656	.39947	.065647	Φ
4.5l	.23505	.00254704	.0108362	48482	2.1865360	.0236936	24.84384	.39926	.065017	
4.52	.23425	.00251167	.0107220	.48400	2,1876720	.0234561	24.89336	.39905	.064394	
4.53	.23346	.00247683	.0106091	48318	2.1888040	.0232212	25,14519	.39883	.063777	
4.54	.23267	.00244251	.0104975	.48236	2.1899280	.0229889	25.39932	.39862	.063166	
4.55	.23189	.00240871	.0103873	48155	2.1910480	.0227591	25,65574	.39842	.062561	
4.56	.23111	.00237541	.0102784	.48074	2.1921620	.0225318	25.91458	.39821	.061963	
4.57	.23055	.00234262	.0101707	47993	2.1932700	.0223070	26.17587	.39800	.061571	
4.58	.22956	.00231031	.0100642	.47912	2.1943730	.0220847	26.43926	.39780	.060785	
4.59	.22879	.00227849	.0099590	.47832	2.1954700	.0218648	26.70516	.39759	.060205	
4.60	.22802	.00224714	.0098551	.47751	2.1965620	.0216472	26.97348	.59739	.059630	
4.61	.22726	.00221626	.0097523	.47671	2.1976470	.0214521	27.24425	.39719	.059062	
4.62	.22650	.00218584	.0096507	47592	2.1987280	.0212193	27.51751	.39699	.058501	
4.63	.22574	.00215587	.0095503	.47512	2.1998030	.0210088	27.79317	.59679	.057944	
4.64	.22499	.00212635	.0094511	.47433	2.2008730	.0208006	28.07140	.39659	.057393	
4.65	.22424	.00209727	.0093530	47354	2,2019380	.0205947	28.35211	.39640	.056848	
4.66	.22349	.00206862	.0092560	-47275	2.2029970	.0203910	28,63528	.39620	.056309	
4.67	.22275	.00204039	.0091602	.47196	2.2040500	.0201895	28.92107	.59601	.055775	
4.68	.22201	.00201258	0090655	.47118	2.2050990	.0199902	29.20938	.39581	.055247	
4,69	.22127	.00198519	.0089718	.47039	2.2061430	.0197831	29.50030	.39562	.054724	
4.70	.22054	.00195819	.0088792	.46961	2.2071810	.0195981	29.79383	.39543	.054206	
4.71	.21981	.00193160	.0087877	.46884	2,2082140	.0194052	30.09000	.59524	.053694	
4.72	.21908	.00190539	.0086973	.46806	2.2092420	.0192143	30.38877	.39505	.053187	
4.73	.21836	.00187958	.0086078	.46729	2.2102650	.0190256	30,69030	.39486	.052685	
4.74	.21764	.00185415	.0085195	·46652	2.2112830	.0188389	30.99443	.39468	.052188	
4.75	.21592	.00182908	.0084321	.46575	2.2122950	.0186542	31.30131	.39449	.051696	
4.76	.21621	.00180439	.0083457	.46498	2.2133050	.0184715	31,61084	.39431	.051210	
4,77	.21.550	.00178006	.0082603	46422	2.2143060	.0182908	31.92321	3941.5	.050728	
4.78	.21479	.00175608	.0081759	.46354	2.2153040	.0181121	32.23831	39394	.050251	
4.79	.21408	.00173246	.0080924	.46269	2.2162980	01.79352	32.55618	.39376	.049780	
4.80	.21338	.00170918	.0080099	.46193	2.2172850	.0177602	32.87696	.39358	.049313	
4,81	.21269	.00168624	.0079283	.46118	2.2182690	.0175872	33.20044	.39340	.048850	
4 .82	.21199	.00166364	.0078477	.46042	2,2192470	.0174159	33,52687	.59323	.048393	
4.83	.21130	.00164136	.0077680	45967	2,2202210	.0172466	33.85617	.39305	.047940	
4.84	.21061	.00161941	.0076891	.45892	2,2211890	.0170790	34.18831	.39287	.047492	
4.85	.20993	.00159778	.0076112	.45818	2,2221540	.0169132	34.52338	.39270	.047048	
4.86	.20924	.00157646	0075341	.45743	2.2231130	.0167492	34,86140	.39253	.046609	
4.87	20856	.00155545	.0074579	45669	2.2240680	.0165870	35.20246	.39235	.046174	
4.88	.20789	00153475	.0073826	.4 5595	2.2250180	.0164265	35.54637	.39218	.045744	
4.89	.20721	.00151435	.0073082	.45521	2.2259640	.0162677	35.89337	.39201	.045318	
4.90	.20654	.00149424	.0072345	.45447	2.2269050	.0161106	36.24341	.39184	.044896	NACA
4.91	.20588	.00147443	.0071617	.45374	2.2278410	.0159552	36.59642	.39167	.044479	G
4.92	.20521	00145489	.0070897	.45300	2.2287730	.0158014	36.95260	.39151	.044066	
4.93	20455	.00143564	.0070185	.45227	2.2297000	.0156493	37.31178	.39134	.043657	멸
4.94	.20389	.00141667	.0069482	.45154	2,2306230	.0154988	37.56411	.39117	.043252	
4.95	20524	.00139797	.0068786	45082	2.2315420	.0153498	38.03960	.39101	.042852	ÇĄ
4.96	.20258	.001597954	.0068098	.45002 .45009	2.2324560	.0152025	38,40823	.39084	.042455	3981
4.97	.20193	.00136138	.0067417	.44937	2,2333650	0150567	38.78008	.39068	.042062	罩
4.98	.20129	.00134347	.0066744	.44865	2.2342710	.0149125	39,15514	.39052	.041674	-
4.99	20064	.00132582	0066079	.44793	2.2351710	.0147698	39.53343	.39036	.041289	
I 400		************	10000019	*## 10n	C. COUT LIO	*****	na inniga	**************************************	*0+TC00	

TABLE III. - Continued. SPECIFIC HEAT, 1.32

M	$ exttt{T/T}_{ exttt{t}}$	p/p _t	$ ho/ ho_{ m t}$	a/a_t	v/a_t	$ ho_{ m v}/ ho_{ m t}$ at	A/A _*	M2	p_{t_2}/p_{t_1}
5.00	.20000	.00130843	.0065421	.44721	2.2360680	.0146287	39,91501	.39020	.040908
5.01	19936	.00129128	.0064771	44650	2.2569600	.0144890	40.29985	.39004	.040531
5.02	.19873	.00127437	.0064127	44579	2.2378480	.0143507	40.68792	.38988	.040158
5.03	.19809	.00125771	.0063491	44508	2.2387320	.0142140	41.07941	.38972	.039789
5,04	.19746	.00124129	.0062862	.44437	2.2396120	.0140787	41.47426	3 8956	.039423
5.05	.19685	.00122510	.0062240	.44366	2.2404870	.0139448	41.87249	.38941	.039062
5.0€	.19621	.00120914	.0061525	44296	2.2413580	.0138123	42.27402	.38925	.058705
5.07	.19559	,0011,9341	0061016	.44225	2.2422250	.0136812	42.67908	.38910	.038348
5.08	.19497	.00117790	.0060415	.44155	2.2430880	.0135515	43.08761	.38895	.037997
5.09	.19435	.00116261	.0059820	.44085	2,2439470	.0134232	43.49952	.38879	.037649
5.10	.19374	.00114753	.0059231	.44016	2.2448020	.0132962	43.91501	.38864	.037305
5.11	.19313	.00113267	.0058649	.43946	2.2456520	.0131705	44.33404	.38849	.036965
5.12	.19252	.00111802	.0058073	.43877	2.2464990	0130462	44.75649	.38834	.036627
5.13	.19191	.00110358	.0057504	.43808	2,2473420	.0129231	45.18264	.38819	.036294
5.14	.19131	.00108934	.0056941	.43739	2,2481810	.0128014	45,61240	.38804	.035963
5.15	.19071	.00107530	.0056384	,43670	2.2490160	.0126809	48.04578	.38790	.035636
5.18	.19011	.00108145	.0055833	.43602	2,2498460	.0125017	46.48280	.38775	.035312
5.17	.18952	.00104781	.0055289	.43533	2.2506730	0124437	46.92351	.58760	.034991
5.18	.18892	.001.03435	.0054750	.43465	2.2514960	.0125269	47.36793	.38746	.034674
5.19	18833	.00102108	.0054217	43597	2.2523160	.0122114	47.81604	.39731	.034359
5.20	.18774	.00100800	.0053690	.43329	2.2531310	.0120971	48.26793	.38717	.034048
5.21	.18716	.00099510	.0053169	.43262	2,2559420	.0119839	48.72371	-38703	.033740
5.22	.18659	.00098238	.0052653	.43194	2.2547510	.0118720	£9.18317	.38689	.033435
5,23	.18600	.00096984	.0052143	.43127	2.2555550	.0117612	49.64659	.38674	.033133
5.24	.18542	.00095747	.0051639	.43060	2.2563540	.0116515	50,11373	.38660	.032834
5.25	.18484	.00094528	.0057.140	.42993	2.2571510	.0115430	50.58489	.38646	.032538
5.28	.18427	.00093326	.0050646	.42927	2.2579 44 0	.0114356	51.05998	.38653	.032245
5.27	.18370	.00092140	.00501.58	.42860	2.2587330	,0113293	51.53895	.38619	.031955
5.28	.18313	.00090971	.0019875	.427 94	2.2595180	.0112241	52.02190	.38605	.031667
5.29	.18257	.00089818	.0049197	.42728	2.2603010	.0111201	52.50884	.38591	.031383
5.30	.18200	.00088681	.0048725	.42662	2.2610790	.0110170	52.99995	.38578	.051101
5.31	.18144	.00087559	.0048257	.42596	2.2618550	-0109151	55.49493	.38564	.030822
5.32	.18088	.00086453	.0047795	.42531	2.2626250	.0108142	53.99413	.38551	.030546
5.33	.18033	.00085363	.0047337	.47465	2,2633920	.0107143	54.49742	.38537	.030273
5.34	.17978	.00084287	.0046885	42400	2.2641560	.0106154	55,00484	.38524	.030002
5.35	.17922	.00083227	.0046437	.42335	2.2649170	.0105178	55.51653	.38511	.029734
5.36	.17869	.00082181	.0045994	.42270	2.2656740	.0104208	56.03229	.38498	.029469
5.37	.17813	,00081149	.0045556	.42205	2.2664280	.0103250	56.55237	.38485	.029206
5.38	.17759	.00080131	.00451,23	.42141	2,2671780	0102301	57.07683	.38471	.028946
5,39	.17704	.00079128	.0044694	.42077	2.2679240	.0101362	57.60543	.38459	.028688
5.40	.17650	.00078138	.0044270	.42012	2.2686670	.0100453	58.13831	.38446	.028433
5.41	.17597	.00077161	.0043850	.41948	2.2694070	.0099513	50.67565	.38433	.028181
5,42	.17543	.00076198	.0043435	.41885	2.2701440	.0098603	59.21732	.38420	.027931
5,43	.17490	.00075249	.0043024	.41821	2.2708760	.0097702	59.76339	.384 07	.027683
5.44	.17437	.00074312	.0042618	.41757	2.2716060	.0096810	60.31401	.38595	.027438
5.45	.17384	.00073388	.0042216	.41694	2.2723330	.0095928	60.86905	.38382	.027195
5.46	.17331	.00072476	.0041818	.41631	2,2730560	.0095054	61.42857	.38370	.026955
5.47	.17279	.00071577	.0041424	.41568	2.2737760	.0094189	61.99258	.38357	.026717
5.48	.17227	.00070690	.0041035	.41505	2.2744930	.0093333	62.56126	.38345	.026481
5.49	.17175	.00069815	.0040649	.41443	2.2752060	.0092485	63.13448	.58333	.026248

			1		• - сопстпо	ed. SEECHTI	T-36	a	
M	$^{\mathrm{T/T}_{\mathrm{t}}}$	p/p_{t}	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$ ilde{v}/ ext{a}_{ ext{t}}$	$ ho_{ m v}^{ m /} ho_{ m t}^{ m a}$	A/A	$\mathbf{s}^{\mathbf{M}}$	$_{^{\mathrm{p}}\mathrm{t}_{2}}/_{^{\mathrm{p}}\mathrm{t}_{1}}$
5.50	.17123	.00068952	0040268	.41380	2.2759170	.0091647	63.71245	.38320	,026016
5.51	.17072	.00068101	.0039891	.41318	2.2766230	.0090816	64.29488	.38308	.025788
5.52	.17021	.00067281	.0039517	.41256	2.2775270	.0089994	64.88210	.38296	.025561
5.53	.16969	.00066432	.0039148	.41194	2.2780280	.0089181	65,47400	.38284	.025337
5.54	.16919	.00085615	.0038783	.41132	2,2787260	.0088375	66.07074	,38272	.025114
5.55	.16868	.00064809	.0038421	.41071	2.2794190	.0087578	66.67223	.38260	.024894
5.56	.16818	.00084013	.0038063	41009	2.2801100	.0086789	67.27863	,38248	.024676
5.57	.16767	.00063229		.40948	2.2807990	.0086007	67.88984	.58236	.024460
5.58	.16717	.00068454	.0037709 .0037359	.40887	2.2814840	.0085234	68.50586	,38225	.024247
5.59	.16668	.00061690		.40826	2.2821660	.0084468	69.12676	.38213	.024035
5.60			-0037012		2.2828440	.0083710	69.75270	.58201	.023825
	.16618	.00060937	.0036669	.40785	2.2835210	.0082960	70.38371	.38190	.023618
5.61	.16569	-	-0036330	.40704	2.2841940		71.01952	.38178	.023412
5.62	.16519	.00059460	.0035994	.40644		.0082217		.38167	.023208
5.63	.16470	.00058736	.0035661	.40854	2.2848630	.0081481	71.66064	.38155	.023007
5.64	,16422	.00058022	.0035332	.40524	2.2855300	.0080753	72.30660		,022907
5.65	.16373	.00057317	-0035007	.40464	2.2861940	.0080033	72.95795	.38144	
5.66	.16325	.00056622	.0034685	.40404	2.2868560	.0079319	75.61420	.38 13 3	.022609
5.67	.16277	.00055936	.0034366	.40544	2.2875140	.0078613	74.27573	.38121	.022414
5.68	-16889	.00055259	.0034050	.40285	2.2881690	.0077913	74.94259	.38110	.022219
5.69	.16181	.00054591	.0033738	.40225	2.2888210	.0077221	75.61462	.38099	.022028
5.70	.16133	.00053952	.0033429	.40166	2.2894710	.0076535	76,29184	.38088	.021837
5.71	.16086	.00053282	.0033123	.40107	2.2901170	.0075856	76.97450	.38077	.021649
5.72	.16039	.00052640	.0032821	-40048	2.2907610	.0075184	77.66260	.38066	.021462
5.73	.15992	.00052007	.0032521	.39990	2.2914020	.0074519	78.35602	.38055	.021277
5.74	.15945	.00051382	.0032225	.39951	2,2920390	.0073860	79.05477	.38044	.021094
5.75	.15898	.00050765	.0031931	.39873	2.2926750	.0073208	79.75927	,38034	.020913
5.76	.15852	.00050157	.0031641	.39814	2.2933080	.0072562	80.46899	.38023	.020733
5.77	.15806	.00049556	.0031353	.39756	2,2939370	.0071923	81.18433	.38012	.020555
5.78	.15760	.00048964	.0051069	.39698	2.2945650	.0071,290	81,90535	.38002	.020379
5.79	.15714	.00048579	.0030787	.39641	2.2951880	.0070663	82.63185	.37991	.020205
5.80	.15668	.00047801	.0030509	.39583	2,2958110	.0070042	83.36409	.37 98 1	.020032
5.81	.15623	.00047232	.0030233	• 395 25	2.2964290	.0069428	84.10191	.37970	.019861
5.82	.15577	.00046670	.0029960	.39468	2.2970450	.0068819	84.84553	.37960	.019691
5.83	.15532	.00046115	.0029690	.39411	2.2976580	.0068217	85.59501	.379 4 9	.019523
5.84	.15487	.00045567	.0029422	39354	2.2982700	.0067620	86.35015	.37939	.019357
5.85	.15443	.00045027	.0029157	.39297	2.2988770	.0067029	87.11123	.37929	.019192
5.86	.15398	.00044493	.0028895	.39240	2.2994830	.0066444	87.87804	.37918	.019029
5.87	.15354	.00043967	.0028638	.39184	2.3000860	.0065865	88,65085	.37908	.01.8867
5.88	.15309	.00043447	.0028379	.39127	2,3006860	.0065292	89.42968	.37898	.018707
5.89	.15265	.00042934	.0028125	.39071	2.3012840	.0064724	90.21436	. 37888	.018549
5.90	.15222	.00042428	.0027873	.39015	2.3018800	.0064161	91.00515	.37878	.018391
5.91	.15178	.00041928	.0027624	.38959	2.3024720	.0063604	91,80208	.37868	.018236
5.92	.15134	.00041435	.0027378	.38903	2.3030620	.0063053	92.60497	.37858	.018082
5.93	.15091	.00040948	.0027134	.38847	2.3036500	.0062507	93,41406	.37848	.017929
5.94	.15048	.00040468	.0026892	.38792	2.3042350	.0061966	94,22943	.37838	.017778
5.95	15005	.00039993	.0026653	.38736	2.3048170	.0061,430	95.05086	.37829	.017628
5.96	.14962	.00039525	.0026416	.38681	2.3053970	.0060900	95.87883	.37819	.017480
5.97	.14920	.00039063	.0026182	-38626	2,3059750	.0060375	96.71296	.37809	.017332
5.98	.14877	.00038606	.0025950	.38571	2.3065490	.0059855	97.55328	.37800	.017187
5.99	.14835	.00038156	40025720	.38516	2.3071220	.0059340	98.40025	.37790	.017043
6.00	.14793	.00037711	.0025493	.38462	2.3076920	.0058829	99.25348	.37780	.016900
			10000100	* COMP ON	.,,		***		

TABLE	IV.	-	SPECIFIC	HEAT,	1.34
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				TUT	בנו – ייוד מנונו	morrio mari	A104			
Ж	$^{\mathtt{T/T}_{\mathtt{t}}}$	$_{ t p/p_{ t t}}$	$ ho/ ho_{ m t}$	$_{\mathrm{a/a_{t}}}$	$ exttt{V/a}_{ exttt{t}}$	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A*	MZ	$_{^{\mathrm{p}}\mathrm{t}_{2}}/_{^{\mathrm{p}}\mathrm{t}_{1}}$	NACA
0.00	1,00000	1.00000000	1.0000000	1.00000	.00000000	.0000000				ß
.01	99998	.99993300	.9999501	.99999	.0099999	.0099994	58.26207			
.02	. 99993	.99975250	,9998006	,99997	.0199995	.0199953	29.13617			莒
.03	.99985	.99939690	.9995499	.99992	.0299977	.0299842	19.42979			
.04	, 99 973	.99892900	.9992008	.99986	.0399945	.0399625	14.57831			떴
.05	.99958	.99832720	.998751.6	.99979	.0499893	.0499269	11.66879			3981
.06	.99939	99759190	.9982025	.99969	.0599916	.0598738	9.73024			P
.07	.99917	.99672400	.9975544	.99948	.0699708	.0697997	8.34654			
.09	.99691	.99572410	.9968075	.99946	.0799565	.0797012	7.30963			
.09	.99862	.99459170	.9959613	.99931	.0899380	.0895748	6.50391			
.10	.99830	.99332790	.9950166	.99915	.0999151	.0994171	5,86002			
.11	.99795	.99193430	.9959748	. 99897	.1098871	.1092250	5,33383			
.12	.99756	.99041070	.9928353	. 99878	.1198534	.1189947	4.89591			
.13	.99714	.98875640	.9915972	.99857	.1298137	.1287229	4.62590			
.14	.99668	.98697610	.9902648	.99834	.1397674	,1384067	4,20924			
.1.5	.99619	.98506670	.9888347	.99809	.1497140	.1480424	3.93527			
.16	.99567	.98303150	.9873097	.99783	.1596530	.1576270	3.69599			
.17	,99511	.98086970	.9856888	.99755	.1695840	.1671570	3.48527			
.18	.99452	.97858470	.9839748	.99726	.1795064	.1766297	3.29835			
.19	.99390	.97617570	.9821666	.99695	.1894197	.1860417	3.13149			
.20	.99325	.97384450	.9802654	.99662	.1993235	.1953899	2.98166			
.21	.99256	.97099210	.9782717	.99627	.2092173	.2046713	2.84645			
.22	.99184	.96822030	.976 1,870	.99591	.2191.005	.2138831	2.72386			
.23	.99109	.96533130	.9740126	.99553	.2289728	.2230224	2.61224			
.24	.99030	.96232420	.971,7473	.99514	.2388336	.2320859	2.51022			
.25	.98949	.95920200	.9693936	. 99473	.2486824	.2410711	.41666			
.26	.98864	.95596590	.9669519	.99430	,2585189	.2499753	2.33058			
.27	.98776	,95261690	.9644228	.99386	.2683424	.2587955	2.25115			
.28	.98685	.94915750	.9618080	.99340	.2781526	.2675294	2,17766			
.28	.98590	.94558790	.9591071	.99293	.2879489	.2761739	2.10949			
.30		.94191220	.9563235	.99244	.297 <i>7</i> 311	.2847272	2.04612			
.51	.98393	.9381,3040	.9534557	.99193	.3074984	,2931864	1.98709			
.32	.98289	.9342 444 0	.9505078	.99141	.3172506	.3015492	1.93198			
,35	.93182	.93025580	.9474775	.99087	.3269872	.3098130	1.88045			
.34	.98073	.92616680	.9443679	.99052	.3367077	.3179759	1.83217			
.35		.92197980	.9411802	.98975	.3464116	.3260357	1.78688			
.36		.91768590	,9379147	.98916	.3580986	.3339901	1.74432			
.37	.97726	.91331750	.9345733	.98856	.3657682	.3718372	1.70428			
.38		.90884620	.931,1566	.98795	.3754201	.3495749	1.66656			
.39		.90428430	.9276665	.98732	.3850536	.3572014	1.63098			
.40		,89963350	.9241037	.98667	.3946686	.3647147	1.59738			
.41		.89489630	.9204698	.96601	.4042644	.3721131	1.56562			
.42		89007400	.9167656	.98534	.4138408	.3795949	1.53557			
.43		.88517010	.9129938	.98464	.4253972	.3865590	1.50711			
.44		.89018530	.9091540	.98394	.4329334	.5936031.	1,48014			
.45		,87512220	.9052484	.98322	4424488	.4005261	1.45455			ı,Da
.46		.86998330	.9012784	.98249	.4519432	.4073266	1.43027			<u></u>
.47		.86477000	.8972448	.98174	.4614161	.4140032	1.40720			
.48		.85948520	.8951496	.98097	.4 708671	.4205548	1.38528			
.49	.96078	.85413110	.8889943	.98020	.4802959	.4269803	1,36 443			

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TABLE IV. - Continued. SPECIFIC HEAT, 1.34

M	T/T _t	r/Pt	$ ho/ ho_{ m t}$	a/a _t	v/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A	$M_{ m C}$	p _{t2} /p _{t1}	42
0.50	.95923	.84870950	.8847798	.97940	.4897022	.4332785	1.34460			••
.51	.95766	.84322340	.8805083	.97860	4990854	.4394487	1.32572			
. 52	95605	.83767320	.8761795	.97778	5084452	.4454895	1.30775			
.53	.95442	.83206300	.8717966	.97695	.5177814	.4514000	1.29062			
.54	.95277	82639420	.8673603	.97610	.5270935	.4571799	1.27431			
.55	951.09	82066870	.8628717	,97524	.5363812	.4628281	1.25875			
.56	.94939	.81488980	.8583333	.97436	.5456442	.4683446	1.24393			
.57	.94766	.80905840	.8537452	.97348	.5548821	.4737278	1.22979			
.58	.94591	.80317830	.8491105	,97258	.5640946	.4789786	1.21631			
.59	-94413	.79725050	.8444295	.97166	.5732813	.4840956	1.20346		•	
.60	.94233	.79127670	.8397050	.97074	.5824420	.4890782	1.19119			
.61	.94051	.78526130	.8349347	.96980	.5915763	.4939275	1.17950			
.62	.93866	.77920400	.8301235	.96884	6006839	.4986418	1.16835			
.63	.93679	.77310860	.8252727	.96788	.6097645	.5032219	1.15771			
-64	.93490	.76697650	.8203827	.96690	.8188178	.5076674	1.14758			
.65	.93299	76081040	.8154557	.96591	.6278436	.5119786	1.13791			
.66	.93105	.75461230	.8104930	.96491	.6568414	.5161554	1.12871			
.67	.9291.0	.74858380	,8054953	.96390	.6458112	.5201978	1.11993			
.68	.92712	.74212790	.8004652	.96287	.6547525	.5241065	1.11158			
.69	.92512	.73584560	.7954028	.96183	.6636650	.5278810	1.10363			
,70	.92311	.72953960	.7903104	.96078	.6725486	.5315222	1.09607			
.71	.92107	.72321290	.7851902	.95972	6814030	.5350309	1.08889			
.72	.91901	.71686550	.7800415	.95865	.6902279	.5384064	1.08206			
.73	.91693	.71050100	.7748676	.95757	.6990231	.5416503	1.07558			
.74	.91484	.70412080	.7696689	_95647	.7077883	.5447626	1.06943			
.75	.91272	.69772630	.7644465	.95536	.7165233	.5477437	1.06361			
.76	.91059	.69132080	.7592031	.95425	.7252279	.5505952	1.05810			
.77	. 90844	.68490520	.7539390	.95312	.7359018	.5533171	1.05290			
.78	.90627	.67848210	.7486562	.951.98	.7425448	.5559107	1.04799			
.79	.90408	.67205260	.7433555	.95083	.7511566	.5583763	1.04336			
.80	.90188	.66561900	.7380384	.94967	.7597373	.5607152	1.03901			
.81	.89966	.65918280	.7327061	.94850	.7682864	.5629280	1,03492			
.82	.89742	.65274550	.7273597	.94732	.7768036	.5650156	1.03110			
.83	.89516	.64631000	.7220014	.94613	.7852891	.5669798	1.02753			
.84	.89290	.63987710	.7166317	.94493	.7937424	.5688209	1.02420			
.85	.89063	.63544830	.7112517	.94372	.8021635	.5705401	1.02111			
.86	.88831	.62702620	.7058636	.94250	.8105522	.5721,392	1.01826			
.87	.88600	.62061160	.7004677	.94127	.8189082	.5736186	1.01564			
.88	.88367	.61420590	.6950650	.94004	.8272314	.5749796	1.01323			
.89	.88132	.60781160	.6896578	.93879	.8355217	.5762241	1.01104			×
.90	.87897	.60142930	.6842482	.93753	.8437789	.5773525	1,00907			NACA
.91	.87660	.59506120	.6788322	.93627	.8520028	.5783668	1.00730			*
.92	.87421	.58870870	6734169	.95499	.8601934	.5792687	1.00573		•	
.93	.87181	.58237260	.6680007	.93371	8683504	.5800585	1.00436			TIN
.94	.86940	.57605460	.6625850	.95242	.8764737	.5807383	1.00318			
.95	86698	.56975600	.6571709	.93112	8845634	.5813092	1.00220		1	3981
.96	.86455	.56347870	.6517602	.92981	.8926190	.5817734	1.00140			Öρ
.97	.86210	.55722310	.6463527	.92850	.9006407	.5821315	1.00078			-
.98	.85965	.55099080	.6409501	,92717	.9086282	.5823852	1.00035			
.99	.85718	.54478330	.6355536	.92584	.9165815	.5825365	1.00009		•	

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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					TABLE IV.	- Continue	ed. SPECIFIC	HEAT, 1.34		
1.02 9471	M	$^{\mathrm{T/T}_{\mathrm{t}}}$	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	V/a_{t}	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A_*	MS	$_{{ m p}_{ m t}_{ m 2}}/_{{ m p}_{ m t}_{ m 1}}$
1.05 44971 1.05 4207	1.00	.85470	.53860180	.6301642	.92450					
1.05	1.01	.85221	.53244690	.6247823		.9323849				
1.06 84489	1.02	.84971	.52631970	.6194089						
1.06 6.98216 5.0011.760 6.053516 91.769 .9635765 5.981.7754 1.00206 .958.05 .998.051 1.006.05 .998.05 .908.051 .908.051 .908.051 .908.051 .908.051 .908.052.05 .908.051 .908.051 .908.052 .908.051 .908.052 .908.051 .908.052 .	1.05	.84720	.52022170	.6140453	.92044					
1.06 85962 57211280 5890225 591851 9718976 5806317 1.00299 94451 959066 1.07 85708 45614120 5827067 81492 9780856 580285 1.00405 95780 959066 1.08 85482 45020360 5874032 9321190 91212 9342107 5787488 1.00685 91857 959194 1.10 88285 43726320 5718956 90292 1.0033170 5778788 1.00685 91857 959194 1.11 85828 43726305 7518956 90292 1.0033170 5778788 1.00685 91857 959194 1.12 82842 4726230 7518956 90292 1.0033170 5778789 1.00682 90586 996879 1.12 82842 42660800 868552 90787 1.0189180 5758011 1.00184 89610 986189 1.13 8214 4406550 9511371 90454 1.024280 5758011 1.00184 89610 986189 1.14 821905 48053770 855855 90501 1.0517150 5755671 1.01573 88144 957219 1.15 81844 4408670 5807575 90557 1.039100 572284 1.01786 87455 896658 1.16 81585 4440240 4455947 30015 1.0464680 5709475 1.02253 86662 995269 1.18 80660 4857130 855555 90501 1.051750 5860540 1.02253 86662 995269 1.19 80690 4857810 535555 89787 1.0510810 5760475 1.02253 86662 995269 1.19 80690 4857810 535555 89776 1.055540 5860540 1.02582 85597 894775 1.19 80690 4857810 535555 89776 1.0655540 5864725 1.02245 84746 993860 1.21 78877 4117870 515086 89835 1.068820 5551452 1.0248 84109 892866 1.22 78877 4117870 515086 89835 1.068820 5551452 1.0248 84109 892866 1.23 78877 4005850 501661 89639 1.0578750 5551452 1.06455 84109 892866 1.24 77877 4005850 501661 89639 1.057850 5551452 1.06455 84109 892866 89286	1.04	.84469	.51415410	.6086928	.91907		.5818071			
1.08 68524 .490023050 .5914052 .91562 .9865047 .5795857 .1,00526 .927449 .999425 .1,008 .85195 .48430120 .52811100 .91152 .9845107 .5797488 .1,00825 .927449 .999425 .1,00825 .927449 .999425 .1,00825 .927449 .999425 .1,00825 .927449 .999425 .1,00825 .927440 .9991144 .999915 .1,00825 .92747 .928266 .1,00825		.84216	.50811760	.6033516						
1.09	1.08	.83962		.5980225		.9712876	.5808517			
1.00		.83708		.5927067				1.00405		
1.11		•								
1.11							.5787488			
1.12	1.10							1,00815	.91144	
1.13 62164 46106450 5611371 59645 1.0242630 5747653 1.01575 368144 997219 1.14 61905 48553770 5558585 590501 1.0317150 5753571 1.01573 368144 997219 1.15 61844 44968070 5559587 90557 1.0581030 57525943 1.01573 368144 997219 1.16 61953 44402340 545947 39013 1.0464630 5708473 1.02038 96741 395988 1.16 61953 44402340 545947 39013 1.0464630 5708473 1.02038 96741 395988 1.16 61963 44402340 5459547 39013 1.0464630 5708473 1.02038 96741 395988 1.17 6192 4348680 540442 39069 1.0557820 5580540 1.02562 855367 394475 1.18 60660 43267130 555354 69822 1.0610610 5560723 1.02245 84748 993609 1.20 39034 42188670 5251646 89629 1.0755520 5564421 1.03142 64109 992666 1.21 39071 41464850 5201158 89482 1.06287550 5561452 1.05452 83465 991849 1.22 79807 41107370 5150686 69855 1.0689820 5513657 1.05777 62873 990555 1.25 79812 4073210 5100636 89836 1.1040700 5597625 1.04468 61686 998125 1.25 79812 40043550 5051061 89038 1.1040700 5597625 1.04468 61686 998125 1.25 77847 58997500 4952262 89739 1.1181170 5557209 1.05215 80544 965376 1.27 78461 58461290 4902239 89890 1.125070 5516582 1.06806 79993 605877 1.28 77949 37462550 4008057 89286 1.1580220 5473722 1.06805 79895 605877 1.35 77681 54662340 477869 80137 1.1457890 5473722 1.06805 778450 99250 1.31 77415 56462340 478769 80137 1.1457890 5351355 1.06808 77939 77589 975106 1.35 77681 35480590 462540 67634 1.1580530 530115 1.06754 77589 975106 1.35 77686 3451770 426210 80607 80607 1.128900 530115 1.06250 77680 975176 1.35 77681 3460590 4474767 87225 1.1860500 530115 1.06754 77589 986972 1.36 77697 34045550 442609 86607 1	1.11							1.00982	,90368	
1.15										
1.15				-						
1.15						1.0317130	.5735671	1.01573		.997219
1.17 81122 43942680 5404542 90088 1,0537820 5858262 1,02562 85397 994475 1.18 80680 43287130 553354 89922 1,0610610 5680340 1,02562 85397 994475 1.20 90334 4218670 5251646 89629 1,0755520 5646419 1,03142 84109 992666 1.21 90071 4164890 5201136 89462 1,0827550 5631452 1,0342 84109 ,992666 1.22 79807 41107370 ,5150868 88535 1,098920 5613837 1,03777 ,82873 ,990553 1.25 79842 40573210 ,5100836 ,89186 1,098940 ,559584 1,04115 ,82274 ,891571 1.26 78912 ,59518270 ,5001831 ,8889 1,111110 ,5557525 1,04468 ,81686 ,98125 1.26 ,789182 ,5997800 ,59518670 ,5001831 ,88890 1,111110 ,5557525	1.15					1,0391080	.5722948	1.01798	.87 4 35	.996658
1.18 80860 .43287130 .555354 .89828 1.0610610 .5860340 1.02562 .85597 .994475 1.19 .90597 .4275810 .5502590 .89776 1.0683540 .5664723 1.02845 .84748 .985609 1.20 .90334 .4218670 .5251646 .89629 1.0755520 .5848419 1.03142 .94109 .992866 1.21 .90071 .41849850 .5201138 .98482 1.0827550 .5551452 1.03452 .88485 .991649 1.22 .79807 .41107570 .5150686 .89582 .10827550 .5551452 1.03452 .88485 .991649 1.22 .79807 .41107570 .5100366 .89188 1.0989840 .5595884 1.04115 .82274 .983577 1.24 .79278 .40045550 .5001051 .89888 1.1040700 .55576725 1.04468 .81686 .988125 1.25 .79912 .59518270 .5001851 .88886 1.1111110 .5557257 1.04484 .81111 .986788 1.26 .78747 .38997850 .4962282 .98759 1.1191170 .5557257 1.04484 .81111 .986788 1.26 .78747 .38997850 .4962282 .89759 1.1191170 .5557257 1.04854 .81111 .986788 1.26 .78747 .38997850 .4962282 .89759 1.1191170 .5557206 1.05215 .80546 .985978 1.28 .78215 .37969850 .485422 .88458 1.1250020 .547522 1.05806 .79993 .865977 1.28 .78215 .37969850 .485422 .88458 1.1250020 .5473722 1.06453 .79450 .98250 1.29 .77748 .55642240 .4709962 .87968 1.1582020 .5453722 1.06453 .79450 .98250 1.31 .77415 .56482240 .4709962 .87968 1.1584150 .5451498 1.06867 .78595 .979902 1.31 .77418 .55989070 .4662540 .87654 1.1584050 .5451498 1.06867 .78595 .979902 1.31 .77418 .55989070 .4662540 .87654 1.1584050 .550616 .1798902 .75546 .351773 .42818 .87578 .1788910 .557724 .10873 .75861 .351773 .42818 .87766 .1789190 .5535155 .108259 .75826 .998977 1.56 .76078 .3460550 .4474767 .87225 1.1862350 .550615 1.10624 .75449 .96662 .96693 .158600 .2586050 .110624 .75500 .998378 .146640 .998377 .25860	1.16							1.02038		
1.19 60.597 42735B10 5302390 69776 1.0665340 5564725 1.02845 84746 993609 1.20 90334 4218670 5251646 89629 1.075520 5648419 1.03142 84109 992865 1.21 90071 41645850 5201358 69422 1.0827350 5531452 1.03452 83485 991649 1.22 79807 41107370 5150686 69535 1.0827350 5531452 1.03477 62873 990653 1.23 79842 40573210 5100856 89186 1.0989940 5595884 1.04115 82274 993577 1.24 79278 40043550 5051061 89038 1.1040700 5576725 1.0468 81666 989125 1.25 77912 53918270 5001331 88869 1.111110 3557257 1.0484 811111 966788 1.26 78747 38997500 4952262 89739 1.1181170 5537206 1.05215 90546 965376 1.27 778481 53461220 4903239 89830 1.1250670 5518592 1.05806 79993 965877 1.28 787215 57998530 4806057 88288 1.1569220 5495426 1.06013 79450 982300 1.29 777849 57462530 4806057 88288 1.1569220 5495426 1.06013 79450 982300 1.29 777882 3698000 4757869 88137 1.1457860 5413498 1.06867 78595 99002 1.51 77146 55462240 4709982 87986 1.1526150 5428773 1.07315 77883 977079 1.52 77146 35999070 4662540 87634 1.184060 5408577 1.07315 77883 977079 1.53 76614 54996810 4567966 87629 1.1786910 5351358 1.00250 76896 975138 1.54 76614 54996810 4567966 87629 1.1786910 5351315 1.00250 76896 975138 1.54 776614 54996810 4567966 87629 1.1786910 5351315 1.00250 76896 975136 1.54 776614 54996810 4567966 87629 1.1786910 5351315 1.00250 76896 975138 1.55 76346 54517730 4428619 87976 1.1986530 5308115 1.09250 76896 975138 1.54 776018 35087270 4428619 87676 1.1986530 5308115 1.09250 76896 975136 1.54 77614 54996810 4567966 87629 1.1786910 5357724 1.00250 76896 975138 1.56 76078 5408500 4474767 87225 1.1862300 5308515 1.10262 75000 986752	1.17						,5695262			
1.20	1.18									
1.21	1.19					1,0685340	.5664723	1,02845	.84746	.993609
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1.23 .79542 .40575210 .510695 .691.66 1.0969940 .5595864 1.0415 .62774 .98377 1.24 .79278 .40045550 .5051.061 .89038 1.040700 .5576725 1.04488 .61686 .988125 1.25 .79012 .5951.0270 .5001531 .88889 1.111110 .5557257 1.04834 .81111 .966788 1.26 .78747 .38997500 .4962262 .88739 1.1181170 .5557206 1.05213 .80846 .965376 1.27 .78481 .35999500 .4854823 .88439 1.1250220 .5895426 1.05603 .79450 .962500 1.29 .77949 .57462550 .4806057 .88281 1.1580220 .5473722 1.06455 .78918 .980645 1.50 .77682 .38980060 .4757869 .88137 1.1457860 .5428773 1.07315 .77883 .971079 1.35 .77681 .55564682240 .4709982 .87834 1.1594090					-					
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1.25 .79012 .59518270 .5001531 .88899 1.111110 .5557257 1.04854 .81111 .966788 1.26 .78747 .38897500 .895262 .88739 1.1181170 .5557208 1.05215 .90546 .965778 1.28 .78215 .37969530 .485452 .88439 1.1320220 .5495426 1.06015 .79450 .982300 1.29 .777949 .37462530 .4806057 .88288 1.13802220 .5495426 1.06015 .79450 .982300 1.29 .777949 .37462530 .4806057 .88288 1.1380220 .5473722 1.06453 .78918 .980645 1.30 .777482 .36980060 .4757869 .86137 1.1457880 .5451498 1.08867 .785918 .98064 1.31 .77418 .35989070 .4662340 .87896 1.1584050 .5428773 1.07315 .77883 .977079 1.32 .77148 .35989070 .4662340 .87862 1.1584090										
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1.59 .75275 .52648700 .4357239 .86761 1.2059830 .5250635 1.11580 .74106 .958598 1.40 .75008 .32193320 .4292015 .88607 1.2124960 .5204049 1.11949 .73671 .957080 1.41 .74740 .31742710 .4247102 .86452 1.2189750 .5177109 1.12531 .73244 .954443 1.42 .74472 .31296840 .4202502 .86297 1.2254190 .5149826 1.15128 .72824 .951753 1.43 .74204 .30855720 .4158219 .86142 1.2518280 .512211 1.15757 .72411 .948966 1.44 .73937 .30419350 .4114253 .85966 1.2582050 .5094282 1.14361 .72005 .946148 1.45 .73669 .29987740 .4070611 .85831 1.2445440 .5066052 1.14998 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490									.74549	
1.40 .75008 .32193320 .4292013 .88607 1.2124960 .5204049 1.11949 .73671 .957060 1.41 .74740 .31742710 .4247102 .86452 1.2189750 .5177109 1.12531 .73244 .954443 1.42 .74472 .31296840 .4202502 .88297 1.2254190 .5149826 1.15128 .72824 .951755 1.43 .74204 .30855720 .4158219 .86142 1.2318280 .512211 1.15737 .72411 .948966 1.44 .73937 .30419350 .4114253 .85986 1.2382050 .5094282 1.14561 .72005 .946148 1.45 .73669 .29987740 .4070611 .85831 1.2445440 .5066052 1.14988 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29158710 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073 1.48 .728								1.11580		
1.41 .74740 .31742710 .4247102 .86452 1.2189750 .5177109 1.12531 .73244 .954443 1.42 .74472 .31296840 .4202502 .88297 1.2254190 .5149826 1.15128 .72824 .951755 1.43 .74204 .30855720 .4158219 .86142 1.2318280 .5122211 1.15757 .72411 .946986 1.44 .73937 .30419350 .4114253 .85986 1.2382030 .5094282 1.14561 .72005 .946148 1.45 .73669 .2998740 .4070611 .95831 1.2445440 .5066052 1.14988 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29158710 .3984290 .85518 1.2571210 .5008733 1.16514 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073										
1.42 .74472 .31296840 .4202502 .88297 1.2254190 .5149826 1.15128 .72824 .951753 1.43 .74204 .30855720 .4158219 .86142 1.2518280 .5122211 1.13757 .72411 .948986 1.44 .73937 .30419350 .4114253 .85986 1.2382030 .5094282 1.14561 .72005 .946148 1.45 .73669 .29987740 .4070611 .95831 1.2445440 .5066052 1.14998 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29136710 .3984290 .85518 1.2571210 .5008733 1.16314 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073						1.2189750	.5177109	1.12531		
1.43 .74204 .30855720 .4158219 .86142 1.2518280 .5122211 1.15757 .72411 .948986 1.44 .73937 .30419350 .4114253 .85986 1.2382030 .5094282 1.14561 .72005 .946148 1.45 .73669 .29987740 .4070611 .95831 1.2445440 .5066052 1.14998 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29138710 .3984290 .85518 1.2571210 .5008733 1.16314 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073				.4202502		1.2254190	.5149826		.72824	
1.44 .73937 .30419350 .4114253 .85966 1.2382030 .5094282 1.14561 .72005 .946148 1.45 .73669 .29987740 .4070611 .95831 1.2445440 .5066052 1.14998 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29138710 .3984290 .85518 1.2571210 .5008733 1.16314 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073						1.2318280	.5122211	1.13737	.72411	
1.45 .73669 .29987740 .4070611 .85831 1.2445440 .5066052 1.14998 .71606 .943235 1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29138710 .3984290 .85518 1.2571210 .5008733 1.16314 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073					.85986	1.2382030		1.14361		
1.46 .73401 .29560870 .4027290 .85675 1.2508490 .5037532 1.15649 .71214 .940249 1.47 .73134 .29138710 .3984290 .85518 1.2571210 .5008733 1.16514 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073					.85831			1.14998		.943235
1.47 .73134 .29158710 .5984290 .85518 1.2571210 .5008733 1.16514 .70829 .937197 1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073						1.2508490		1,15649	.71214	
1.48 .72867 .28721310 .3941621 .85362 1.2633580 .4979677 1.16993 .70449 .934073			-					1.16314	.70829	
								1.16993		
	1.49		26506650		.85205	1.2695610	.4950372	1.17685	.70076	.950878

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TABLE IV. - Continued. SPECIFIC HEAT, 1.34

M	$ exttt{T/T}_{ exttt{t}}$	$_{ t P/P_{ t t}}$	$ ho/ ho_{ m t}$	a/a_t	v/a_{t}	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _*	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	44
1.50	.72333	27900640	.3857265	.85049	1.2757300	4920826	1.18392	.69709	.927622	"
1.51	.72068	.27497330	.3815577	.84892	1.2818650	.4891054	1.19113	.69348	.924298	
1,52	.71799	27098700	.3774221	.84735	1.2879650	.4861067	1.19848	_68993	920908	
1.53	.71533	.26704720	.3733196	-84577	1.2940320	.4830875	1.20597	.68644	.917455	
1.54	.71267	.2631.5410	.3692506	.84420	1.3000660	4800499	1.21360	. 68300	,913945	
1.55	.71001	25930710	.3652147	.84262	1.3060650	.4789941	1.22137	.67962	,910566	
1.56	.70736	.25550610	.5612121	.84105	1.5120510	.4739215	1.22929	.67628	.906754	
1.57	.70471	.25175080	.3572428	.83947	1.3179640	.4708328	1.23736	.6730L	.905040	
1.58	.70206	.24804120	.3533070	.65789	1.3238630	.4677298	1.24556	.66978	.899292	
1.59	.69941	24437700	.3494047	.83631	1.3297280	.4646133	1.25392	.66660	.895491 :	
1.60	.69677	.24075800	.3455360	.65475	1.5355610	.4614844	1,26242	.66347	.891.633	
1.61	.69413	.23718560	.3417003	.83314	1.3413610	.4583432	1.27107	.66039	.887722	
1.62	.69149	.23365420	.5578986	.63156	1.3471270	.4551923	1.27987	.65735	.883761	
1.63	.68886	.23016890	.3341301	.82998	1.3528610	.4520315	1.28882	.65436	.879751	
1.64	.68623	.22672780	.3303951	.82839	1.3585620	.4488622	1.29792	.65142	,875893	
1.65	.68361	.22533040	.3286934	.88881	1.3642310	.4456850	1.30717	.64852	.871587	
1.66	.68099	.21997650	.3230250	.82522	1.3698660	.4425009	1.51658	.64566	.867439	
1.67	.67837	.21666590	.3193901	.82565	1.3754700	.4393114	1.32614	.64284	.863245	
1.68	.67576	.21559810	.3157883	.82205	1.3810410	.4361165	1.33585	.64007	.859007	
1.69	.67316	.21017300	.5122199	.82046	1.3865800	.4329177	1.34572	.63734	.854730	
1.70	.67056	.20699020	.3086846	.81887	1.3920870	.4297157	1.35575 1.36594	.63464	.850415	
1.71	.66796	.20384940	.3051824	.81729	1.3975620	.4265113		.63199	.846058	
1.72 1.73	.66537 .66278	.20075020	.3017132 .2982764	.81570	1.4030060	.4253051 4200075	1.37628 1.38679	.62937 .62679	.941664 .937238	
		19769200		.81411	1.4084170	.4200975			_	
1.7 4 1.75	.66020	.19467490	.2948726 .2915015	.81253	1.4137970 1.4191460	.4168900	1.39746 1.40829	.62425 .62174	.832776 .828282	
1.76	.65762 .65505	.19169840 .18876240	.2881633	.81094 .80935	1.4244630	.4156829	1.41929	.61927	.823755	
1.77	,65249	18586620	.2848573	.80777	1.4297490	.4104778 .4072744	1.43045	.61683	.819200	
1.78	.64993	.18300950	.2815836	.8063.8	1.4350040	.4040736	1.44179	.61442	.814618	
1.79	.64738	.18019200	.2783421	.80460	1.4402280	.4008761	1.45328	.61205	.810005	
1.80	.64483	.17741330	.2751326	80301	1.4454220	.3976825	1.46495	.60971	.805365	
1,81	.64229	.17467300	.2719550	.80143	1.4505840	.3944935	1.47679	.60741	.800705	
1.82	.63975	.17197110	2688095	.79984	1.4557170	.591.5104	1.48881	60513	.796018	
1.83	.63722	.16930670	2656953	.79826	1.4608190	.3881326	1.50100	.60289	.791512	
1.84	.63470	.16667980	.2626128	.79668	1.4658900	.384961A	1.51337	.60068	.786582	
1.85	.63218	.16408990	.2595616	.79510	1.4709320	.3817973	1.52591	.59849	.781855	
1.86	.62967	.16153650	.2585414	.79352	1.4759430	3786404	1.53863	59634	.777068	
1.87	.62717	.15901950	.2535524	.791 94	1.4809250	3754919	1.55153	.59 1 21	.772286	
1.88	.62467	.15653820	.2505940	.79036	1.4858770	.3723517	1.56461	.59211	.767487	
1,89	.6221.8	.15409240	.2476662	.78878	1.4907990	.3692204	1.57788	.59004	.762670	₹
1.90	.61969	.15168190	.2 44 7692	.78721	1.4956920	.3660993	1.59134	.56800	.757843	NACA
1.91	.61722	.14930610	.2419024	,78563	1.5005560	.3629879	1.60498	• 58598	.753004	₽
1.92	.61475	.146 9646 0	.2390657	. 78 4 06	1.5053900	,3598870	1.61881	.58399	.7481.50	MIL
1.93	.61.228	14465720	.2362590	.78248	1,5101960	.5567972	1.63283	.58202	.745291	
1.94	60983	.14238320	.2334818	.78091	1.5149720	,3537183	1.64704	.58008	.738 42 1	3981
1,95	.60738	.14014270	.2307345	.77934	1,5197200	.3506518	1.66144	.5781.7	.753542	ဆို
1.96	.60493	.13793480	.2280163	.77778	1.5244390	.3475967	1.67604	.57627	.728655	ĭ
1.97	.60250	.13575940	.2253272	.77621	1,5291300	.3445543	1,69084	,57441	.723766	
1,98	.60007	13361620	.2226672	,77 464	1.5337930	.3415252	1.70584	.57256	.718869	
1.99	.59765	.13150470	.2200360	,77308	1.5384270	.3385091	1.72104	_57074	, 713970	

TABLE IV. - Continued. SPECIFIC HEAT, 1.34

M	T/T _t	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	$v/a_{ t t}$	$\rho_{\mathbf{v}}/\rho_{\mathbf{t}} \ \mathbf{a}_{\mathbf{t}}$	A/A	M ₂	$\mathbf{p_{t_2}/p_{t_1}}$
2.00	.59524	.12942450	2174333	.77152	1.5430340	.3355066	1.736 44	.56895	.709066
2.01	.59283	.12737530	.2148589	.76996	1.5476120	,3325181	1.75204	.56717	.704161
2.02	.59043	.12535660	.2123126	.76840	1.5521640	.3295434	1.76786	56542	.699257
2.03	.58804	.12336830	.2097944	.76684	1.5566860	.3265837	1.78388	.56369	.694351
2.04	.58566	.12140970	.2073038	.76529	1.5611810	.3236386	1.80011	.561.97	.689447
2.05	.58329	.11948070	.2048408	.76373	1.5656500	.5207087	1.81656	.56029	.684.543
2.08	.58092	.11758080	.2024051	.76218	1.5700910	.3177945	1.83322	.55862	.6796 4.4
2.07	.57856	.11570960	.1999964	.76063	1.5745050	.3148952	1.85010	.55697	.674748
2,08	.57621	.11386690	.1976147	.75908	1.5788920	.5120122	1.86719	.55534	.669857
2.09	.57386	.11205210	.1952595	.75754	1.5832530	.3091450	1.88451	.55373	.664970
2.10	.57153	.11026500	.1929308	.75599	1.5875870	.3062942	1.90205	.55214	.660090
2.11	.56920	.10850520	.1906282	.75445	1.5918940	.3034597	1.91981	.55057	.655215
2.12	.56688	.10677240	,1883517	.75291	1.5961760	.5006422	1.93780	.54902	.650348
2.15	.56457	,10506620	.1861010	.75158	1.6004310	.2978415	1.95605	.54748	.645492
2.14	.56226	,10338640	.1838761	.74984	1.6046600	.2950582	1.97448	.54597	.6 4 06 44
2.15	. 55997	,10173220	.1816760	,74831	1.6088630	.2922914	1.99317	.5 444 7	.635805
2,16	.55768	.10010380	.1795014	74678	1.6130400	.2895428	2.01209	.54299	.630978
2.17	55540	.09850062	.1773517	74525	1.6171920	.2868117	2.03125	.54152	.626159
2.18	.55513	.09692213	.1752264	.74372	1.6213190	.2840976	2.05066	.54008	.621354
2,19	.55086	.09536828	.1751257	.74220	1.6254200	2814016	2.07030	.53865	.616561
2.20	.54861	.09383869	.1710493	.74068	1.6294960	.2787239	2.09020	.53723	.611782
2.21	.54636	.09253279	.1689965	.73916	1.6335460	.2780634	2.11053	.53584	.607016
2.22	.54412	.09085083	.1669679	.73765	1.6375730	.2734218	2.13072	.53445	.602264
2.25	.54189	.08939165	.1649628	.73613	1.6415740	2707984	2.15157	.53309	.597528
2.24	.53967	.08795549	.1629809	.73462	1.6455510	.2681931	2.17226	.53174	.592806
2.25	.53745	.08654201	.1610223	.73311	1.6495030	.2656066	2.19342	.53040	.588100
2.26	.53525	.0851,5065	.1590864	.73161	1.6534310	.2650382	2.21484	.52908	.583410
2,27	.53305	.08378147	.1571735	.7301.0	1.6573350	.2604890	2.23651	.52778	.578739
2.28	.53086	.08243373	.1552828	.72860	1.6612150	.2579578	2.25846	.52649	.574084
2.29	.52868	.08110730	.1534143	.72711	1.6650710	.2554453	2.28067	.52521	.569446
2,30	.52651	.07980203	.1515681.	.72561	1.6689030	.2529521	2.30315	. 52395	.564829
2.31	.52435	.07851740	,1497435	.72412	1.6727110	.2504774	2.32591	.52270	.560230
2.52	.5221.9	.07725311	.1479404	.72263	1.6764980	.2480214	2.34894	.52146	.555651
2.33	.52004	.07600698	.1461587	.72114	1.6802590	.2455840	2.37224	.52024	.551.089
2.34	.51791	.07478473	1443983	.71966	1.6839970	.2431662	2.39584	.51.904	.546549
2.35	.51578	.07358003	.1426589	,71818	1.6877130	.2407671	2.41971	.51784	.542028
2.36	.51366	.07239459	.1,409598	.71670	1.6914060	,2383861	2.44387	.51.666	.537530
2.37	.51154	.07122803	.1392418	,71522	1.6950760	.2360252	2.46833	.51549	.533052
2.38	.50944	.07008014	.1375638	.71375	1.6987230	.2336826	2.49307	.51433	.528597
2.39	.50734	.06895074	, 1359059	.71228	1.7023480	.2313590	2.51811	.51319	.524162
2.40	,50525	.06783939	.1342678	.71081	1.7059500	.2290540	2.54345	.51206	.519749
2.41	.50318	.08674595	.1326494	.70935	1.7096310	.2267681	2.56908	.51.094	.51.5359
2.42	.50111	.06567014	.131,0506	.70789	1.7130890	.2245012	2.59505	.50983	.510992
2.45	.49904	.06461.167	1294711	.70643	1.7186250	.2222532	2.62128	.50873	.506650
2.44	.49699	.08357011	.1279103	70498	1.7201400	.2200234	2.64784	.50765	.502329
2.45	.49495	.06254583	.1263688	70552	1.7236330	.2178132	2.67471	.50857	.498032
2.48	.49291	.06153752	.1248457	.70207	1.7271040	.2156213	2.70190	.50551.	.493758
2.47	.49088	.06054565	.1235408	.70063	1.7305540	.2134477	2.72941	.50446	.489509
2.48	48886	.05957005	.1218547	.69919	1.7339830	.2112937	2.75724	.50342	.485284
2.49	.48685	.05861017	.1203864	.69775	1.7373900	.2091579	2.78539	.50239	.481.084

TABLE IV. - Continued. SPECIFIC HEAT, 1.34

M	$ exttt{T/T}_{ exttt{t}}$	p/p _t	$ ho/ ho_{ m t}$	a/a_t	V/a _t	$\rho_{f v}/\rho_{f t}$ a _t	A/A	M ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	44
2.50	.48485	.05766576	.1189357	.69651	1.7407770	-2070403	2.81388	.50137	.476908	0,
2.51	.48285	.05673682	.1175030	.69488	1.7441420	.2049418	2.84270	.50036	.472757	
2.52	.48087	05582285	.1160875	69345	1.7474870	.2028612	2.87185	.49836	468632	
2.53	.47889	.05492372	.1146892	.69202	1.7508110	.2007990	2.90134	.49637	.464529	
2.54	.47692	.05403933	.1133082	.69060	1.7541150	.1987555	2.93117	.49740	460455	
2.55	.47496	.05316930	.1119440	.68918	1.7573990	.1967301	2.96135	.49643	.456405	
2,56	.47301	.05231,340	.1105965	.68776	1.7606620	.1947228	2.99187	.49547	.452382	
2.57	.47107	.05147152	.1092655	68634	1.7639050	.1927338	3.02275	.49452	.448382	
2.58	.46913	.05064329	.1079507	. 68493	1.7671280	.1907625	3.05398	. 49358	.444410	
2.59	.46721	.04982875	.1066524	. 68353	1.7703320	.1888099	3.08557	.49265	440464	
2.60	.46529	.04902730	.1053696	.68212	1.7735150	.1868744	3.11753	.49173	436543	
2.61	.46338	.04823908	.1041028	.68072	1.7766790	1849571	3.14984	.49082	.432649	
2.62	46148	.04746575	.1028516	.67932	1.7798240	1.830575	3,18253	.48992	.428780	
2.63	.45959	.04670109	.1016157	.67793	1.7829490	.1811755	3.21560	.48902	.424938	
2.64	.45770	.04595090	.1005951	.67654	1.7860550	.1793110	3.24903	. 4 8814	.421122	
2.65	.45582	.04521296	.0991893	.67515	1.7891420	.1774637	3.28285	.4 8726	417334	
2.66	.45396	.04448719	.0979987	.67376	1.7922100	.1756342	3,31705	.48639	.413571	
2.67	.45210	.04377317	.0968224	.67238	1.7952590	.1738214	3.35164	.48553	.409834	
2.68	45025	.04307101	.0956610	.67100	1.7982900	.1720263	3.38661	.4846 8	.406125	
2.69	.44840	.04238030	.0945139	.66963	1.8013020	.1702480	3.42199	·48384	.402443	
2.70	.44657	.04170096	.0933809	.66826	1.8042950	1684868	3.45776	.48301	.398786	
2.71	.44474	.041.03269	.0922619	.66689	1.8072700	.1667421	3.49393	.48218	.395157	
2.72	.44292	.04037551	.0911569	.66552	1.8102270	.1650147	3.53051	.48136	.391553	
2.73	.44111	.03972903	.0900654	.66416	1.8131660	.1633035	3.58750	.4 8055	.387977	
2.74	.43951	.03909327	.0889877	.66281	1.8160870	.1616093	3.60491	.47975	.384428	
2.75	.43752	.05846786	.0879231	.66145	1.8189900	.1599312	3.64274	.47895	.380905	
2.76	.43573	,03785280	.0868718	.66010	1.8218750	.1582696	3.68098	.47816	.377409	
2.77	.43395	.03724783	.0858336	.65875	1.8247420	.1566242	3.71965	.47738	.373937	
2.78	.43218	.03665279	.0848082	.65741	1.8275920	1549949	3.75875	.47661	370493	
2.79	.43042	.03606758	.0837957	.65607	1.8304250	.1533817	3,79828	.47584	.567077	
2.80	.42867	.03549196	.0827956	.65473	1.8332400	.1517842	3.83825	.47508	.363686	
2.81	.42692	.03492585	.0818081	.65339	1.8360380	.1502027	3.87867	-47433	.360322	
2.82	.42519	.03436901	.0808327	.65206	1.8388190	1486367	3.91953	.47359	.356984	
2.83	.42346	.03382136	.0798696	.65074	1.8415830	.1470864	3.96084	.47285	.555673	
2.84	.42174	.03328274	.0789184	.64941	1.8443300	.1455516	4.00261	.47212	.350388	
2.85	42002	.03275300	.0779791	.64809	1.8470600	.1440522	4.04484	.47139	.347129	
2.86	.41832	.03223192	.0770514	.64677	1.8497740	.1425277	4.08753	· 4 7068	.343896	
2.87	.41662	.05171948	.0761354	.64546	1.8524720	.1410386	4.13068	-46997	.340689	
2.88	.41493	.03121541	.0752306	.64415	1.8551530	.1395643	4.17432	.46926	.337508	
2.89	.41325	.03071971	.0743373	.64284	1.8578170	.1381051	4.21843	.46856	334354	2
2.90	.41157	.03023215	.0734550	.64154	1.8604660	.1366606	4.26301	.46787	.331225	NACA
2.91	.40991	.02975268	.0725839	-64024	1.8630980	.1352310	4.30809	.46719	.328122	≯
2.92	.40825	.02928108	.0717236	.63894	1.8657140	.1338158	4.35366	.46651	.525044	
2.93	.40660	.02881715	.0708738	. 6 3765	1.8683150	.1324146	4,39971	46583	.321991	13
2.94	.40495	.02836091	.0700348	.63636	1.8709000	.1310280	4.44628	.46517	.318965	
2.95	.40332	.02791220	.0692062	.63507	1.8734690	.1296556	4,49335	.46450	.315964	8
2.96	.40169	.02747085	.0683879	.63379	1.8780230	.1282972	4.54092	.46385	.312988	3981
2.97	.40007	.02703679	.0675799	.63251	1.8785610	.1269329	4.58901	.46320	.310036	
2.96	39846	.02660989	.0667820	.63124	1.8810840	.1256225	4.63761	46256	.307112	
2.99	.39685	.02618997	.0659959	.62996	1.8835910	.1243058	4.68674	.46192	.304212	

THIRD IV CONCINGED. DESCIPTO HEAT; I.O.	TABLE	IV.	-	Continued.	i	SPECIFIC	HEAT,	1	.34
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M	T/T _t	$p/p_{\mathbf{t}}$	$ ho/ ho_{ m t}$	a/a_t	$ exttt{V/}\mathbf{a}_{ exttt{t}}$	$\rho_{\rm v}/\rho_{\rm t}$ a _t	A/A _*	M ₂	$_{\mathrm{P_{t_2}/P_{t_1}}}$
3.00	39526	.02577691	.0652156	.62869	1.8860840	.1230020	4.73639	.46129	.501334
3.01	.39367	.02557072	•0 6444 7].	.62743	1.8885610	.1217124	4.78659	46066	298485
5.02	·3920 8	.02497117	.0636882	-62617	1.8910240	.1204358	4.83731	.46004	.295658
3.03	39051	.02457824	•0629388	.62491	1.8934720	.1191728	4.88859	·45942	·292655
3.04	• 38894	.02419173	.0621,987	62365	1.8959050	.1179228	4.94039	.4 5881	.290076
3.05	•38738	.02381161	.0614679	.62240	1.8983230	.1166859	4.99277	.4 5820	.287323
3.06	.38583	.02343775	.0607462	.62115	1.9007270	.1154620	5.04570	.4 5760	284594
3.07	. 38429	.02307001	-0600336	.61991	1.9051160	.1142508	5.09920	.45701	.281888
3.08	. 38275	.02270832	.0593298	.61.867	1.9054910	.1130523	5.15326	.45642	.279207
5.09	.38122	02235254	.0586347	-61743	1.9078520	<u>-111</u> 8663	5.20789	.45583	•2765 4 8
3.10	•37969	.02200260	.0579482 .0572705	-61619	1.9101990	.1106927	5.26310	.4 5526	.275914
3.11	.37818	.02165843	.0566011	.61496	1.9125320	.1095315	5.31890	.45468	.271,505
5.12	•37667	02131989	0559401	.63.373	1.9148500	.1083826 .1072458	5.37529 5.43226	.454 <u>11</u>	.268716
3.13	.37517	.02098694	0552873	.61251	1.9171550	1061510	5.48984	.45355 .45299	.266151 .263609
3.14	•37367 *7010	.02065942 .02033729	.0546427	.61129 .61007	1.9194460 1.9217230	.1050082	5.54803	-45245	.261.093
3.15	.37219 .37071	.02002042	0540061	60886	1.9239870	.1039070	5.60683	.451.88	.258596
3.16 3.17	•36923	.01970871	.0533773	60765	1.9262380	.1028174	5.66622	•45133	.256123
3.18	•36777	-01940217	.0527566	60644	1.9284740	.1017397	5.72626	.45 079	•253671
3.19	36631	01910061	0521434	60523	1.9306980	.1006732	5.78692	45025	251242
3.20	36486	•01880395	.0515378	60403	1.9329080	.0996179	5.84823	44972	248838
3.21	36341	01851216	.0509398	60284	1.9351060	.0985740	5.91016	44919	246451
3.22	36197	01822519	.0503494	60164	1.9372900	.0975414	5.97274	44867	244089
3.23	36054	.01794288	.0497662	60045	1.9394620	.0965197	6.03595	44815	241750
3.24	35912	.01766510	.0491901	59927	1.9416200	0955084	6.09983	44763	239431
3.25	35770	01739195	.0486213	59808	1.9437660	0945085	6.16439	44712	.237132
3.26	.35629	.01712321	.0480596	.59690	1.9458990	.0935190	6.22960	.44 662	·234858
3.27	•35 4 89	01,685890	.0475049	.59572	1.9480190	.0925404	6.29549	.44611	.232601
3.28	.35349	.01659890	.0469571	59455	1.9501270	.0915722	6.36205	.44 562	.230366
3.29	.35210	.01634309	.0464159	•59338	1.9522230	.0906142	6.42931	.44 518	.22815 4
5.50	.35072	.01 60914 9	.0458816	.59221	1.9545060	.0896667	6.49724	.444 63	225981
5.31	•34934	.01584397	.0453539	•591,05	1.9563760	.0887293	6.56590	.44414	.223788
5.52	•34797	.01560049	.0448328	. 58989	1.9584350	.0878021.	6.65525	.44366	.221637
5.55	34661 .	•01536092	.04431.80	-58875	1.9604820	0868846	6.70529	•4 4 318	.219506
5.34	34525	.01512551.	.0438097	•58758	1.9625170	.0659772	6.77607	.44271	.217395
3.35	▲34390	.01489348	.0433076	. 58 643	1.9645390	.0850795	6.84756	.44224	.215302
3.36	.34 256	01466545	0428118	•58528	1.9665500	.0841.916	6.91977	.441 77	.213231
3.37	.34122	.01444110	.0423221 .0418384	.58414	1.9685490	.0833131	6.99274	-44131 4400F	.211179
3.38	•33989	.01422038	.0413607	•58300	1.9705360	.082 444 1	7.06643	.44 085	.209147
3.39	•33856	.01.400323	0408890	•58186	1.9725120	.0815845 .0807343	7.14089 7.21609	_44039 _43994	.207133 .206139
5.40	•33725	•01,378962	.0404230	•58073	1,9744760	.0607593 .0798932	7.29207	.43949	.200135 .203164
3.41	•33593 33493	.01357948	0399629	•57960 =7047	1.9764290	.0790614	7.36880	.43904	.201206
3.42 3.43	•33463 •33333	.01337274 .01316929	0395083	•578 4 7	1.9783700 1.9803010	.0782382	7.44631	.43860	.199271
5.44	• 33204	01296917	.0390594	•57735 •57623	1.9822200	.0774243	7.52460	•4381.6	.197350
3.45	•3320 1 •33075	.01296917	0386160	•57625 •575 11	1.9841270	•0766 19 0	7.60368	.4377 3	.195450
3.46	•33013 •32947	•01277227 •01257857	.0381781	•57400	1.9860240	.0758226	7.68355	.437 5 0	.193568
3.47	32820	.01237637	0377455	57288	1.9879090	.0750347	7.76421	•43687	•191703
3.48	•32693	.01220043	0373183	•57178	1.9897840	0742553	7.84572	43644	.189857
3.49	.32567	.01201595	.0368964	•57067	1.9916480	0734845	7.92802	.45602	1,88029

TABLE IV. - Continued. SPECIFIC HEAT, 1.34

M	T/T _t	p/p_{t}	p/pt	$_{ m a/a_{ m t}}$	$v/a_{ m t}$	$\rho_{f v}/ ho_{f t}$ a _t	A/A_{*}	M ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	48
3.50	.32441	.01183443	.0364796	.56957	1.9935010	.0727221	8.01113	.43 560	.186218	
3.51	32316	.011.65583	.0360680	.56847	1.9953440	.0719680	8.09509	.43519	.184425	
3.52	.32192	.01148009	.0356614	.56738	1.9971750	.0712220	8.17987	.43478	.182650	
3.53	.32068	.01130715	.0352597	.56629	1.9989970	.0704839	8.26550	.43437	.180891	
3.54	31945	.01113703	.0348650	.56520	2.0008080	.0697542	8.35199	.43396	.179150	
3.55	.31823	.01096964	.0344712	.56411	2.0026080	.0690324	8.43932	.43356	.177424	
5.56	.31701	.01080489	.0340841	.56303	2.0043970	.0683181	0,52755	.43316	.17 57 17	
3.57	.31579	.01064281	.0337019	.561 .95	2.0081770	.0676119	8.61662	.43276	.174026	
3.58	.314 59	.01.048333	.0333243	.56088	2.0079470	.0669133	8.70659	.43237	.172351	
3.59	.31338	.01032638	.0329512	.55981	2.0097060	.0662223	8,79745	.43198	.170693	
3.60	.31219	.01017195	.0325828	.55874	2.0114560	.0655388	8.88918	.431,59	.169050	
3.61	.31100	.01001999	.0322188	.55767	2.0131950	.0648627	8.98183	.43121	167424	
3.62	. 3 0981	,00987045	.0318593	.55661	2.0149240	.0641941	9.07540	.43083	.165814	
3.63	.30864	,00972351	.0315042	.55555	2.0166440	.0635328	9.16985	.43045	.164221	
3.64	.30746	.00957849	.0311534	.55 44 9	2.0183550	.0628785	9.26526	.43007	.162642	
3.65	.30630	.00943600	.0308069	.553 44	2.0200530	.0622316	9.36160	.42970	.161079	
3.66	•30513	.00929576	.0304646	.55239	2.0217440	.0615915	9.45688	.42953	.159531	
3.67	.50398	,00915775	.0301264	.551.34	2.0234250	0609584	9.55710	.42896	.157998	
3.68	.30283	.00902196	.0297924	.55030	2,0250960	.0603325	9.65629	.42859	.156480	
3.69	.30168	,00888830	.0294624	.54926	2.0267580	.0597131	9.75644	.42823	.154978	
5.70	.50054	.00875677	.0291364	.54822	2.0284100	.0591005	9,65756	.42787	.153490	
3.71	.29941	,00862732	.0288144	.54718	2.0300530	.0584947	9.95965	.42751	.152017	
3.72	.29828	.00849992	.0284962	.54615	2.0316870	.0578954	10.06276	.4271 6	.150559	
3.73	.29716	.00837454	.0281819	.54512	2.0535130	.0573026	10.16682	.42681	.149115	
3.74	.29604	.00825114	.0278715	.54410	2.0349270	.0567164	10,27194	.42646	.147686	
3.75	29493	.08812969	.0275647	.54308	2.0365330	.0561365	10.37802	.42611	.146269	
3.76	.29382	,00801015	.0272617	.54206	2.0381.300	0555629	10.48516	.42577	.144868	
3.77	.29272	.00789251	.0269623	.54104	2.0397180	.0549955	10.59333	.42543	.143481	
3.78	.29163	.00777673	.0266666	.54003	2.0412970	.0544345	10.70252	.42509	.142107	
3.79	.29054	.00766275	.0263744	.53902	2.0428680	.0538794	10.81277	.42475	.140747	
3.80	,28945	,00755059	0260858	.53801	2.0444500	.0533305	10.92409	.42442	.139399	
3.81	.28837	.00744017	.0258006	.53700	2.0459630	.0527875	11.03644	.42408	.138067	
3.82	.28730	,00733150	,0255188	.53600	2.0475270	.0522505	11.14989 11.26440	.42375	,1367 46 ,135 4 39	
3.83	.28623	.00722452	.0252404	.53500	2.0490620	.0517191	11.38004	.42343	.134145	
3,84	.28516	.00711923	.0249654	53401	2.0505900 2.0521080	.0511937 .0506740	11.49676	.42310	.132864	
3.85	.28411		.0246936	.53302	2.0536180	.0501599	11.61456	.42278	.131595	
3.86	.28305	.00691356 .00681315	.0244252 .0241599	.53203	2.0551200	.0496515	11.73351	.42246	.130340	
3.87 3.88	,28200 ,28096	.00671429	.0238978	.53104 .53005	2.0566130	.0491485	11.85357	.42214	,129097	
3.89	.27992	.00661698	,0236389	.52907	2.0580980	.04865],1	11.97478	.42163 40153	.127866	171
3.90	.27889	.00652119	.0233830	.52907	2.0595750	.0481591	12.09713	.42151 .42120	.126648	NACA
3.91	.27786	.00842588	.0233302	.52712	2.0610440	.0476723	12.22065	.42089	,125441	δ
3.92	.27683	.00653406	.0228804	.52615	2.0625040	.0471910	12.34531	.42058	.124247	
3.93	.27581	.00624266	,0226336	.52518	2.0639570	.0467148	12.47115	.42028	.123064	琞
3.94	.27480	.0061.5270	.0223898	.52421	2.0654020	.0462438	12.59818	.42028 .41998	.121895	
3.95	.27379	.00606412	.0221488	.52325	2.0668380	.0457779	12.72638	.41968	.120735	3981
3.96	.27279	.00597693	.0219107	.52229	2.0682670	.0453171	12.85579	.41938	,119588	ŏ
3.97	.27179	.00589108	.0216754	.52133	2.0696860	.0448612	12.98842	.41908	.118452	7
3.98	.27079	.00580656	.0214429	.52038	2.0711000	0444103	13,11,825	.41879	,117327	
3.99	.26980	.00572336	.0212152	.51943	2.0725060	.0439644	13.25135	.41849	.116214	
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TABLE IV. - Continued. SPECIFIC HEAT, 1.34

. М	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	$ exttt{v/a}_{ exttt{t}}$	$ ho_{f v}/ ho_{f t}$ a $_{f t}$	A/A_{\star}	$M_{\mathbf{Z}}$	p_{t_2}/p_{t_1}	NACA
4.00	26882	.00564144	.0209862	.51848	2.0739030	.0435232	13.38564	.4 1.820	.115112	Ę.
4.01	26784	00556078	.0207618	.51753	2.0752930	0430869	13.521.21	41792	.114021	j
4.02	26688	.005481,37	.0205402	-51659	2.0766760	0426552	13,65802	.41763	. 11,2941.	县
4.03	26589	.00540319	.0203211	•51565	2.0780510	.0422283	13.79612	41734	•111871	
4.04	26492	.00532621	.0201047	.51471	2.0794180	.0418060	13.93547	41706	.110813	Ŵ
4.05	26396	.00525039	.01,98907	.51,377	2.0807770	.0413882	14.07615	.41678	. 109765	3981
4.06	.26300	.00517577	.0196794	.51284	2.0821300	.0409750	14.21811	41650	.108728	ŭ
4.07	26205	.00510228	.0194705	51181	2.0834750	.0405662	14.36136	.41.623	.107700	
4.08	.26110	.00502992	01,92640	.51098	2.0848130	.0401.61.9	14.50597	41595	.106683	
4.09	2601.6	.00495867	0190500	.51006	2,0861440	.0397619	14.65186	.41568	.105677	
4.10	25922	.00488850	0188584	.50914	2.0874670	.0393662	14.79913	.41541	.104680	
4.11	25829	.00481942	0186592	.50822	2.0887830	.0389749	14.94773	41514	.103693	
4.12	.25736	.00475139	0184622	.50730	2.0900920	.0385878	15.09770	41487	.102716	
4.13	25643	.00468440	.0182676	50639	2.091.3850	.0382048	15.24906	.41460	101749	
4.14	.25551	.00461843	-01,60753	.50548	2.0926900	.0378260	15.40177	41434	.100792	
4.15	25459	00455346	.0178852	•50457	2.0939780	.0374512	15,55586	41.408	099845	
4.16	25368	.00448949	.0176974	.50367	2.0952580	.0370805	15.711.39	.41302	₄ 098906	
4.17	.25277	.00442648	0175117	50277	2.0965330	.03671,38	15.86832	41,356	.097977	
4.18	251.87	.00436443	0173282	-501.87	2.0978000	.0363510	16.02668	41,330	.097058	
4.19	25097	.00430333	0171468	•50097	2.0990610	.0359922	16.18646	41.305	.0961,48	
4.20	25008	.00424316	0169675	-50008	2.1003150	.0356372	16.34774	.41279	.095248	
4,21	.24918	.0041,8389	.0167903	.49918	2,1015620	.0352860	16.51041	41,254	.094354	
4,22	.24830	00412552	.0166152	49829	2.1028030	.0349386	18.67457	41229	.093471	
4,23	.24741	00406804	.0164422	49741	2.1040370	.0345949	16.84025	.41.204	.092597	
4.24	24654	.00401142	.0162711	49652	2.1052640	.0342549	17.00757	41179	.091731	
4.25	.24566	00395565	.0161020	.49564	2.1064850	.0339186	17.17604	41155	.090874	
4.26	.24479	.00390073	0159348	.49477	2.1076990	.0335859	17.54620	411.30	.090026	
4.27	.24393	.00384663	.0157698	.49389	2.1069080	.0332567	17.51786	.41106	.0891.87	
4.28	. 24306	.00379335	.0156063	.49302	2.1101090	.0329311	17.69111	41082	.088355	
4.29	24221	.00374087	.0154449	49215	2.1113040	.0326089	17.86589	.41058	.087532	
4.30	241.35	.00568917	0152854	491.28	2.1124930	.0322902	18.04220	41034	.086717	
4.51	24050	.00363825	.0151276	49041	2.1138760	.031.9749	18.22010	41011	.085910	
4.32	23966	.00358810	.0149718	48955	2.1148520	.031.6630	18.39959	40987	•085111	
4.33	.23882	.00353869	0148176	48869	2.1160220	031,3544	18.58070	.40964	.084320	
4.34	23798	.00349003	0146653	48783	2.1171860	031.0491	18,76339	40941	•08353B	
4.35	.23715	.00344208	.0145147	48698	2.1183440	.0307470	18.94771	40918	.082763	
4.36	.23632	.00339486	0143658	48612	2.11.94950	0304483	19.13368	40895	.081,995	
4.37	23549	.00334854	.0142187	48527	2.1206410	0301527	19.32127	40872	.081,236	
4.38	.23467	.00330251	0140751	48442	2.1217810	.0298601	19,51052	.4085 0	•08048 4	
4.39	.23385	.00325737	.0139294	48358	2.1229150	.0295708	19.70146	40827	.079740	
4.40	.23304	.00321289	.0137872	48274	2.1240430	.0292845	19,89405	40005	.079003	
4.41	.23222	.0033,6907	0136466	48190	2.1251650	.0290012	20.08836	40783	.078273	
4.42	23142	.0031,2591	01,35076	481.06	2.1262810	.02872L0	20.28455	.40781	.077550	
4.43	23061	.00308338	01.33703	48022	2.1273910	.0284438	20,48209	40739	•076835	
4.44	.22982	00304148	0132344	47939	2.1284960	0281694	20.681.55	.40717	.076127	
4.45	.22902	.00300021	01.51.002	47856	2.1295950	0278981	20.88272	.4 0895	.075426	
4.46	.22823	.00295954	0129674	.47773	2.1306880	.0276296	21.08571	.40674	.074732	49
4.47	.22744	.00291947	.01.28362	47691	2.1317760	.0275639	21.29043	40653	.074045	ω
4.48	22666	.00287998	0127064	.4760B	2.1328570	.0271009	21.49696	.4 0631.	.073365	
4.49	·22588	.002841.08	0125781	47526	2.1339340	.0268408	21.70524	.40610	.072691	
	4 E EU O D	*AATOMINO	POTENT (CT)	- TOOU		2000400		£ -2474	,	

TABLE IV. - Continued. SPECIFIC HEAT, 1.34

M	T/T _t	p/p_{t}	p/pt	a/a_t	⊽/a _t	$ ho_{ m v}/ ho_{ m t}$ a _t	A/A_{*}	M2	$_{p_{t_2}/p_{t_1}}$
4.50	.2251.0	.00280276	-0124513	.47445	2.1350050	.0265835	21.91536	.40589	.072024
4.51	.22433	.00276500	.0123259	.47363	2.1360700	.0263289	22.12730	.4056 9	.071364
4.52	.22356	.00272779	.0122019	.47282	2.1371290	.0260770	22.34111	.40548	.070711
4.53	.22279	.00269113	.0120793	.47201	2.1381840	.0258277	22.55671	,4 0527	.070064
4.54	.22203	.00265500	.011,9580	47120.	2.1392330	.0255810	22.77421	.40507	.069423
4.55	.221,27	.00261940	.011.8382	47039	2.1402760	.0253370	22.99358	404 87	.068789
4.56	.22051	.00258432	.0117197	46959	2.141.31.40	.0250955	23.21480	.40467	- 068161
4.57	21976	.00254975	.0116025	.46878	2.1423470	.0248565	23.43801	.4044 7	.067539
4.58	.21901	.00251569	.0114866	.46799	2.1433750	.0248202	23.66303	.40427	.066924
4.59	.21.827	.00248213	.0113721	.46719	2.1443970	.0243862	23.89007	.40407	.06631.4
4.60	.21752	.00244905	.0112588	.46639	2.1454140	.0241547	24.11904	.40387	.065711
4.61	.21,679	.00241645	-0111467	.46560	2,1464260	.0239256	24.34996	.40368	.06511.3
4.62	21605	.00238432	.011,0360	.46481	2.1474330	.0236990	24.58284	40348	.064522
4.63	.21532	.00235266	.0109264	.46402	2.1484350	.0234747	24.81773	.40329	.063936
4.64	21459	.00232146	.0108181	.46324	2.1494310	.0232527	25.05457	.40310	.063356
4.65	.21387	.00229072	.0107110	.4 62 4 6	2.1504230	.0230331	25.293 44	.40290	.062782
4.66	.21314	.00226040	.0106050	.4616 8	2.1514090	.0228158	25 .53438	.40271	.0622).4
4.67	.21,243	.00223054	.0105003	.4609 0	2.1523910	.0226007	25.77732	.4 0253	.061651
4.68	.21171	.00220110	.0103967	.46012	2.1533670	.0223879	26.02237	.40234	.061,094
4.69	.21100	.00217209	.0102943	.4 5935	2.1543390	.0221774	26.26945	.40215	.060542
4.70	.21029	.00214350	.0101930	. 45858	2.1553060	.0219690	28.51868	.40197	.059995
4.71	.20959	.00211531	.0100928	45781	2.1562680	.023,7627	26.76998	.4 01.78	.059454
4.72	·20888	.00208753	.0099937	.45704	2.1572250	.0215587	27.02335	.401.60	.058919
4.73	.20819	.00206015	.0098957	45627	2.1581770	.021,3567	27.27884	.401.42	.058389
4.74	.20749	.00203316	.0097988	.45551	2.1591.250	.0211569	27 .53656	.401.24	.057864
4.75	.20680	.00200656	.0097030	.4 5475	2.1600670	.0209591	27.79646	40106	.057343
4.76	.20611	.00198034	.0096082	.4 5399	2.1610050	.0207633	28.05849	.4 0088	.056829
4.77	.20542	.001,95449	.00951.44	.45324	2.1619390	.0205696	28.32270	.4007 0	.05631.9
4.78	.20474	.00192901	.0094217	.45248	2.1628670	.0203779	28.5891.4	.40052	.05581.4
4.79	.20406	.00190389	.0093300	.45173	2.1637910	.0201882	28.85777	.4003 5	.05531.4
4.80	.20338	.00187913	.0092393	45098	2.1647110	.0200004	29.12869	.4 001.7	.054820
4.81	.20271	.00185473	.0091496	.45023	2.1656270	.0198147	29.40181	•40000	.054329
4.82	.20204	.00183067	.0090609	.4 1 9 4 9	2.1665360	•0196308	29.67728	.39983	•0538 44
4.83	.20137	.00180695	.0089731	.44 875	2.1674420	.01.9 44 88	29.95497	.39965	•05336 4
4.84	.20071	.00178356	.0088863	.44 800	2.1683440	.0192686	30.2 349 8	.39948	.052888
4.85	.20005	.00176051	.0088005	.44727	2.1692410	.01.90904	30.51732	.39931	.052417
4.85	.19939	.00173779	.0087156	.44653	2.1701330	.0189139	30.80200	•39915	. 05 19 51
4.87	.1.9873	.00171538	.0086316	·44580	2.1710220	.OL87393	31.08901	.39898	.051489
4.88	.19808	.001,69329	.0085485	.44506	2.1719050	.0185665	31.37836	.39881	. 051031.
4.89	.19743	.00167151	.0084663	.44433	2.1727840	.01,83954	31.67014	.39864	.050578
4.90	.19678	.001.65004	.0083850	.44360	2.1736600	.0182261	31.96435	.3984 8	.0501,30
4.91	.19614	.00162887	.0083046	.44288	2.1745510	.0180586	32.26090	.39832	.049686
4.92	19550	.001,60800	.0082251	.44215	2.1753970	.0178928	32.55996	.3981 .5	049246
4.93	.19486	.00158742	.0081464	.441,4 3	2.1762590	.01.77286	32.861,40	.39799	.04881.0
4.94	.19423	.00156713	.0080685	.44071	2.1771170	.0175661	33-16538	.397 83	.048379
4.95	.19359	.00154712	.0079915	43999	2.1779710	.0174053	33.47178	.39767	.047952
4.96	.19297	.00152739	.0079154	.43928	2.1788210	.0172462	33.78069	.39751	.047529
4.97	.19234	.00150794	.0078400	43856	2.1796670	.0170886	34.09217	.39735	.047110
4.98	.19172	.00148876	.0077655	.43785	2.1805080	.0169327	34.40612	•3971.9	.046696
4.99	.19109	.00146985	.0076917	.43714	2.1813460	.0167783	34.72263	. 39704	.046285

				TABLE IV.	- Continu	ed. SPECIFIC	HEAT, 1.34			
M	T/T _t	$_{ m p/p}_{ m t}$	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$V/a_{ m t}$	$ ho_{ m v}^{ m / ho_{ m t}}$ a $_{ m t}$	A/A*	${\tt M}_2$	$\mathbf{p_{t_2}/p_{t_1}}$	NACA TN
5.00	.19048	.00145119	.00761.88	.43644	2.1821790	.0168255	35.04170	. 39688	045878	\simeq
5.01	18986	00143281	.0075466	.43573	2.1850080	01,64745	35,36343	.39673	.045475	
5.02	.18925	00141467	.0074752	.45503	2.1838340	.0163246	35.68769	. 59657	.045077	3
5.03	18864	.003.39678	.0074046	43453	2.1846550	0161764	36.01455	. 59642	.044681	
5.04	.18803	.00137915	.0073347	.45365	2.1854720	.0160298	36.34415	.39627	.044291	셠
5.05	.18743	.00156176	.0072655	43293	2.1862850	.0158846	36.67632	.39612	043905	398I
5.06	.18682	00134460	.0071971	.45225	2.1870950	.0157408	57.01115	. 59697	.043519	H
5.07	18623	.001.52769	.0071295	43154	2.1879000	.0155986	37.34876	.39582	0433.59	
5.08	18563	00131100	.0070625	43085	2.1887020	.0154577	37,68898	•39567	.042763	
5.09	.18504	.001,29456	-0069965	.43016	2.1895000	.0153183	38.03200	.39552	.042390	
5.10	.18444	.00127833	.0069307	.4 2947	2.1902940	.0151803	38.37778	• \$9537	.042021	
5.11	,18386	.00126255	.0068659	.4 2878	2.191.0840	.0150437	38.72632	<u>. 39523</u>	.041656	
5,12	.18527	.00124855	.0068017	.42810	2.1918710	.0149085	39.07762	. 39508	.04129 4	
5.13	.18269	.00123098	.0067382	•427 4 2	2.1926530	.0147746	39.43172	.39494	•040935	
5.14	.18211	.00121565	.0086754	. 42674	2.1934330	.0146420	39.78854	.39479	•040580	
5.15	.18153	.00120048	.00661.52	.42606	2.1942070	.0145108	40.14835	• 3946 5	.040229	
5,16	.18095	.00118555	,0065518	.42538	2.1949790	.0143810	40.51093	.39451	.03988 1 .	
5.17	.18038	.00117082	.0064909	.42471	2.1957470	.0142524 .0141251	40.87638 41.24481	-39437	.039536	
5.18	.17981	.00115628	.0064307	.42404	2,19651,10	.0141251	41.24481	•39422	.039194	
5.19	.17924	.001141.95	.0063711	.42357	2.1972720	.0139991	41.61613	.3940B	•038856	
5.20	.17867	.00112781	.0063121	42270	2.1980290	.01.38743	41.99037	. 39394	.038521	
5.21	.17811	.00111387	•0062538	.42203	2.1987830	.0137507	42.36754	.39381	.0381.89	
5.22	.17755	.00110011	.0061961	.421.37	2,1995320	.0136285	42.74768	• 39367	.037860	
5.23	.17699	00108654	0061590	42070	2.2002790	.0135074	43.13088	• 39 3 5 3	.037535	
5.24	.17644	.00107316	.0060824	42004	2.2010220	.0133876	45.51.698	• 3934 0	.037212	
5,25	•17588	.00105995	-0060265	.41938	2.2017610	-01.32689	43.90617	. 39326	.036893	
5.26	.17533	.00104693	•0059711	-41873	2.2024970	.0131514 .0130351	44.29842	.39312 .39299	.036576 .036263	
5,27	.17478	.00103408	•0059164	.41,807	2.2032290 2.2039580	•0129199	44.69370	•59286	•035953	
5.28	.17424	.00102140	•005862 <u>1</u>	.41742 .41676	2.2046840	.0128059	45.09216 45.49571	.39272	.0356 4 5	
5.29	.17369	•00100889	.0058085	•41676 •41611	2.2054060	01.26930	45.89836	.39259	035341	
5.30	.17315	.00099655 .00098438	.0057554	•41547	2.2061250	.01.25812	46.30612	39246	035039	
5.31 5.32	.17261 .17208	00097237	.0057028 .0056508	•41482	2.2068400	0124705	48.71705	.39233	.034740	
5.33	.17154	.00096052	.0055994	41418	2.2075530	0123609	47.13122	39220	.034445	
5.34	.17101	00094884	0055485	·43.355	S 50856T0	.0122525	47.54860	•39207	.034152	
5.35	17048	00093730	0054981	41289	2.2089670	0121450	47.96916	.391.94	•033861	
5.36	16996	00092592	0054482	41225	2.2096690	.0120386	48.59297	391.62	.033574	
5.57	.16945	00091470	0053988	41161	2.2103690	0119333	48.82009	.39169	.033289	
5.38	16890	.00090362	.0053499	41.098	2.2110640	.0118290	49.25061	39156	.055007	
5.59	.16838	•00089269	.0053016	41.054	2.2117570	.0117258	49.68430	39144	.032727	
5.40	16786	00088191	0052537	40971	2.2124460	013,6235	50.12141	.39131	.032450	
5.41	.16735	.00087127	.0052063	40906	2.2131330	.0115223	50.56183	59119	.032176	
5.42	16683	•00086076	.0051.594	40845	2.2138150	.0114220	51,00570	.39106	.031905	
5.43	.16632	.00085041	0051130	40783	2.2144950	.0113227	51.45295	38094	.031636	
5.44	.16581	00084018	.0050671	40720	2.2151720	.0112244	51. 90357	. 39082	.031,369	
5.45	16531	.00083010	•0050216	40658	2.2158460	.0111271	52.35758	.39069	.031105	čn
5.46	16480	.00082014	.0049766	40698	2.2165160	0110307	52.81513	. 39057	.030845	ង
5.47	16430	.00081032	.0049320	40534	2,2171840	.0110307 .0109352	53.27614	39045	.030584	
5.48	.16380	.00080062	.0048879	40472	2.2178480	.0108407	55,74073	.59053	030328	
5.49	.16330	.000791.06	.0048443	40410	2,2185090	.0107471	54.20893	.39023	.030073	
			-							

			_		- 001101,4446	or Direction			
M	$^{\mathrm{T/T_{t}}}$	p/p_{t}	$ ho/ ho_{ m t}$	$a/a_{ m t}$	v/e _t	$ ho_{ m v}/ ho_{ m t}$ at	A/A _*	M_2	$\mathtt{p_{t_2}/p_{t_1}}$
5.50	.16290	.00078162	.0048011	.40349	2.2191680	.0106544	54.68049	.39009	.029821
5.51	.16231	.00077230	.0047583	.40287	2.2198230	.0105626	55.15570	.38998	.029572
5,52	.16181	.00076310	.0047160	.40226	2.2204750	.0104717	55.63447	.38986	.029325
5.53	.16132	.00075403	.0046741	.40165	2.2211250	.0103817	56,11693	.38974	.029080
5.54	. 16083	.00074508	.0046326	.40104	2.2217720	.0102925	56,60298	.38963	.028837
5.55	.16035	.00073624	.0045915	.40044	2.2224150	.0102042	57.09276	.38951	.028597
5.56	.15986	.00072752	.0045508	.39983	2.2230550	.0101168	57.58831	.38939	.028359
5.57	.15936	.00071891	.0045106	.39923	2,2236930	.0100302	58.08538	.38928	.028123
5,58	.15890	.00071041	.0044708	.39863	2.2245280	.0099444	58.58425	.38917	.027889
5,59	.15842	.00070203	.0044313	.39803	2,2249600	.0098595	59.08894	.38905	.027658
5.60	.15795	.00069375	.0043923	.39743	2.2255890	.0097754	59.59736	.38894	.027428
5.61	.15747	.00088558	.0043536	.39683	2,2262150	.0096921	60.10950	.38883	.027201
5.62	.15700	.00067752	.0043153	.39623	2.2268390	.0096096	60.62569	.38872	.028976
5.63	.15653	.00066956	.0042775	.39564	2,2274590	.0095278	61.14551	.38861	.026753
5.84	.15606	.00066170	.0042399	.39505	2,2280770	.0094469	61.66941	.38849	.026532
5.65	.15560	.00065395	.0042028	.39446	2.2286930	.0093688	62.19701	.38838	.026313
5.66	.15513	.00064630	.0041661	.39387	2,2293050	.0092874	62.72875	.38828	.026096
5.67	.15467	.00063874	.0041297	.39328	2,2299150	.0092088	63.2643 4	.38817	.025881
5,68	.15421	.00063128	.0040936	.39270	2.2305220	.0091309	63.80 5 80	.38806	.025668
5,69	.15575	.00062392	.0040579	.39211	2,2311260	.0090538	64.34735	.38795	.025457
5.70	.15330	.00061665	.0040226	.391.53	2,2317270	.0089774	64.89498	.38784	.025248
5,71	.15284	.00060948	.0039876	.39095	2,2323270	.0089017	65.44657	.38774	.025041
5.72	.15239	.00060240	.0039530	.39037	2.2329230	.0088268	66.00227	.38763	.024836
5,73	.15194	.00059541	.0039187	.36979	2,2335160	.0087525	66.56215	.38762	.024633
5,74	.15149	.00058850	0038848	.38922	2.2341070	.0086790	67.12605	.38742	.024431
5.75	.15104	.00058169	.0038512	.38864	2,2346950	.0086062	67.69400	.38731	.024232
5.76	.15060	.00057497	.0038179	.38807	2,2352810	.0085340	68.26632	.38721	.024034
5.77	.15015	00056832	.0037849	.38750	2.2358640	.0084626	68.84274	.38711	.023838
5.78	.14971	.00056177	0037523	.38693	2.2364450	.0083918	69.42329	.38700	.023644
5.79	.14927	.00055530	.0037200	.38636	2.2370230	.0083217	70,00829	.38690	.023451
5.80	.14884	,00054891	.0036880	.3 <i>8</i> 579	2,2375980	.0082522	70.59745	.38680	.023261
5.81	.14840	.00054260	.0036563	.38523	2,2381720	.0081835	71.19081	.38670	,023072
5.82	.14797	.00053637	.0036249	.38466	2,2387420	.0081.153	71.78869	.38660	.022885
5.83	.14753	.00053022	.0035939	-38410	2,2393100	.0080478	72.39081	.38650	,022699
5.84	.14710	.00052414	.0035631	.38354	2,2398750	.0079809	72.99736	.38640	.02251.5
5.85	.14667	.00051815	.0035326	.38298	2.2404380	.0079147	73.60836	,38630	.022333
5.86	.14625	.00051223	.0035025	38242	2.2409980	.0078491	74.22367	.38620	,022153
5.87	.14582	.00050638	.0034726	.381.87	2.2415570	.0077841	74.84346	,38610	.021974
5.88	.14540	.00050061	.0034430	.38131	2.2421120	.0077197	75.46779	.38600	.021797
5.89	.14498	.00049491	.0034137	.38076	2,2426660	.0078559	76.09650	.38590	.021621
5.90	.14456	.00048929	.0033847	.38021	2.2432160	.0075927	76.72997	.38581	.021447
5.91	.14414	.00048573	.0033560	.37966	2,2437650	.0075301	77.36785	.38571	.021275
5.92	.14372	.00047824	.0033276	.37911	2,2443110	.0074681	78.01037	.38561	.021104
5.93	.14331	.00047282	.0032994	.37856	2.2448500	.0074066	78.65735	.58552	.020935
5.94	.14289	.00046747	.0032715	.37801	2,2453950	.0073458	79.30921	.38542	.020767
5.59	14248	.00046219	.0032438	.37747	2,2459350	.0072855	79.96558	.38533	.020601
5.96	14207	.00045697	.0032165	.37692	2.2464720	.0072257	80.62668	.38523	.020436
5.97	14166	.00045182	.0031894	.37638	2.2470060	.0071665	81.29253	.28514	.020273
5.98	14126	.00044673	.0031625	.37584	2.2475380	.0071079	81.96318	.38505	<i>111</i> 020.
5,99	.14085	.00044171	.0031359	.37530	2.2480680	.0070498	82.63863	.38495	.019950
6.00	.14045	.00043674	.0051096	.37477	2,2485950	.0069923	83.31875	.38486	.019792

				TAI	ыль v ры	CIFIC HEAT,	T.30			
M	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	$ extsf{V/a}_{ extsf{t}}$	$ ho_{ m v}/ ho_{ m t}$ at	A/A_*	M ₂	$p_{\mathbf{t}_{2}}/p_{\mathbf{t}_{1}}$	NACA
0.00	1.00000	1.00000000	1,0000000	1.00000	.0000000	.0000000				ä
.01	.99998	.99993230	9999503	.99999	.0099999	.0099994	58.13162			⊳
.02	.99993	.99972790	.9997999	.99996	.0199992	.0199952	29.07097			NT.
.03	.99984	99958800	.9995499	.99992	.0299975	.0299840	19.38636			Ħ
.04	₄99971	99891330	.9992010	.99986	.0399942	.0399622	14.54578			
.05	.99955	.99830190	.9987511	.99978	.0499887	.0499263	11.64280			99
.06	.99935	.99755630	.9982027	.99968	.0599806	.0598727	9.70862			3981
.07	.99912	.99667490	.9975539	.99956	.0699691	.0897980	8.32806			•
.08	99885	.99566030	.9968073	.99942	.0799539	.0796986	7.29350			
.09	,99654	.99451080	.9959608	.99927	.0899344	.0895712	6.48960			
.10	.99820	.99322950	.9950174	.99910	.0999101	.0994123	5.84719			
.11	.99783	.99181440	49939747	.99891	.1098805	.1092183	5.32220			
.12	.99741	.99026890	.9928358	.99871	.1198448	1189861	4.88529			
.13	.99697	.98859140	.9915988	.99848	.1298028	.1287122	4.51614			
.14	.99648	.98678360	.9902651	.99824	.1397537	.1383931	4.20022			
.15	.99597	.98484640	.9888352	.99798	.1496972	1480258	3.92689			
.16	.99541	.98278230	.9873111	.99770	.1596327	.1576070	3.68817			
.17	.99482	.98058940	.9856905	.99741	.1695596	.1671332	3.47796			
.18	.99420	.97827130	.9839767	.99710	.1794775	.1766015	3.29149			
.19	.99354	97582850	.9821695	.99677	.1093057	.1860088	3.12502			
.20	.99285	.97326170	.9802693	.99642	.1992839	1953518	2.97557			
.21	.99212	.97057230	.9782768	.99605	.2091715	.2046275	2.84068			
.22	,99136	.98776160	.9761929	.99567	2190479	.2138329	2.71839			
.23	,99057	.96483160	9740188	.99527	.2289128	.2229652	2.60705			
.24	.98974	.96178500	.9717549	.99486	.2387655	.2320214	2.50529			
.25	.98888	.95861830	9694028	.99442	2486056	2409988	2.41197			
.26	.98798	.95633770	.9669623	.99397	2584325	.2496944	2,32611			
.27	.98705	.95194400	9844355	.98350	.2682458	.2587057	2.24689			
.28	.98608	94843790	.9618223	.99302	.2780450	2674298	2.17359			
.29	98509	.94482140	.9591242	.99252	.2878296	,2760643	2.10560			
.30	98406	.94109660	.9563424	.99200	.2975992	2846066	2.04241			
.31	.98300	.93726500	.9534779	.99146	.3073531	2930543	1.98353			
.32	.98190	93332890	.9505321	.99091	,3170911	3014051	1,92858			
.33	.98077	.92928880	9475048	.99034	.3268125	.3096563	1.87718			
.34	.97962	.92514800	.9443986	.98976	.3365170	.3178060	1,82905			
.35	.97843	.92090790	9412140	.98915	.3462040	.3258519	1.78388			
.36	.97720	.91657080	.9379527	98854	.3558731	,3337920	1.74145			
.37	.97595	.91213810	.9346151	.98790	.3655238	3416240	1.70153			
.38	.97467	.90761260	.9512033	.98725	.3751558	.3493462	1.66391			
.39	.97335	90299560	.9277179	98659	.3847685	.3569565	1.62844			
.40	.97201	.89828950	9241604	.98590	.3943615	.3644532	1.59494			
.41	.97063	.89349660	9205321	98521	4039345	.3718345	1,56328			
.42	.96923	.88861,900	.9168345	.98449	.4134869	.3790989	1.53333			
.43	.96779	88365600	.9130880	.98376	.4230182	.3862443	1.50496			
.44	96633	.87861700	.9092351	.98302	4325282	.3932697	1.47808			
.45	96483	.87349740	.9053365	98226	.4420164	.4001734	1.45258			
.46	.96331	86830200	.9013740	.98148	.4514824	4069543	1.42837			ល
.47	.96176	86303320	.0973492	.99069	.4609257	.4136112	1.40538			O
.48	.96018	.86789190	.8932622	.97989	.4703460	4201422	1.38354			
.49	.95857	.85228140	8891154	.97907	4797429	.4265467	1.36276			
P-4-4	*****	TOURIOTEO	* ~~~		2					

TABLE V	Continued.	SPRCTRIC	HEAT.	1.36
77000 T T T T T T T T T T T T T T T T T	COMPERMENT		ويدمنسه	1.00

M	T/T _t	$p/p_{ m t}$	$ ho/ ho_{ m t}$	$a/a_{ m t}$	v/a_t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A*	MZ	$_{\mathrm{p_{t_2}/p_{t_1}}}$	<u>Σ</u>
0.50	.95694	.84680410	.8849104	.97825	.4891161	.4328238	1,34300		- -	Η
.51	.95528	.84126170	.8806480	.97738	4984650	.4389720	1.32419			
.52	,95359	.83565660	8763298	.97652	5077893	.4449907	1.30628			
•53	.95187	.82999130	.8719574	.97564	.5170887	.4508792	1.28922			
.54	.95013	.82426790	.8675322	.97475	.5263628	.4566366	1.27296			
.55	94636	81848910	.8630559	97584	.5356113	.4622624	1.25747			
.56	94657	.81265680	.8585298	.97292	.5448337	.4 677559	1,24270			
.57	94475	80677290	8539547	.97198	.5540298	.4731163	1.22,862			
.58	94291	.80084000	.8493326	.97103	.5631992	.4785435	1.21520			
.59	.94104	79486120	8446657	.97007	.5723416	.4834372	1.20239			
.60	93914	.78883750	8399543	.96909	.5814566	.4883968	1.19019			
.61	.93723	.78277110	.8351997	.96810	5905438	.4932219	1.17854			
.62	95529	.77666560	8304048	.96710	.5996031	.4979132	1.16744			
.63	93332	.77052190	.8255697	96609	6086340	.5024697	1.15685			
.64	.93133	.76434280	8206963	.96506	.6176364	.5068917	1.14676			
.65	92932	.75813030	.8157862	.96401	.6266097	.5111795	1.13714			
.66	.92729	.75188740	8108415	.96926	.6355539	.5153334	1.12797			
.67	92524	.74561530	.8059626	.96189	.6444686	.5193530	1,1,1924			
.68	.92316	.73931560	.8008504	.96081	.6553535	.5232383	1.11093			
.69	.92107	.73299160	.7958077	.95972	.6622082	.5269903	1.10302			
.70	.91895	.72664570	.7907360	.95862	.6710327	.5306095	1,09550			
.71	.91 681	.72027900	.7856357	.95750	.6798266	.5540959	1.08835			
.72	.91465	.71389340	.7805083	.95637	6885896	.5374498	1.08156			
.73	.91247	,70749210	.7753563	.95523	.6973215	.5406725	1.07511			
.74	.91028	.70107530	.7701790	95408	.7060221	.5437632	1.06900			
.75	.90806	69464730	.7649805	.95292	.7146910	.5467245	1.06321			
.76	.90582	.68820820	.7597599	. •95175	.7233282	.5495556	1.05773			
.77	90557	.68176140	.7545204	.95056	.7319333	5522584	1.05255			
.78	.90130	.67530720	.7492616	.94937	.7405061	.5548326	1.04767			
.79	.89901	.66884840	.7439856	.94816	.7490465	.5572796	1.04307			
.80	.89670	.66238680	.7386939	.94694	.7575541	.5596004	1.03874			
.81	89438	.65592 <u>44</u> 0	.7535878	.94571	.7660288	.561,7960	1.03469			
.82	.89204	.64946280	.7280687	.9 144 8	.77 4 4705	. 5638675	1,03088			
.83	.88968	64300330	.7227371	.94323	.7828789	.5658154	1.02734			
.84	.88731	.63654830	.7173952	.94197	.7912558	.5676415	1.02403			
.65	.88192	63009880	.7120432	.94070	.7995951	.5693461	1.02096			
.86	88251	.62365730	.7066837	.93942	.8079025	.5709314	1.01813			
.87	.88009	.61722530	.7013174	.9381.3	.8161761	.5723984	1.01552			
.88	.877 66	.61080380	.6959450	.93684	.8244155	.5737476	1,01313			
.89	.87521	.60439420	.696 5676	,93553	.6326205	.5749806	1.01096			NACA
.90	.87275	.59799850	.6851868	.93421	.8407911	.5760988	1,00900			Ö
.91	.87028	.59161850	.6798041	.93289	.8489272	.5771040	1.00724			₽
.92	.86779	.58525460	.67 44 194	.93155	.8570285	.5779965	1.00568			TIN
.93	.86 529	.57890930	.6690352	.93021	.8650950	.5787788	1.00432			
.94	.86278	.57258400	6636525	92886	.8731265	.5794523	1.00316		•	Ó
.95	.86025	.56627910	.6582712	.92750	.880,1250	.5800177	1.00218			3981
.96	.85772	.55999670	.6528935	.92613	.8890841	.5804770	1.00139			ដ
.97	.85517	.55373730	.6475194	.92475	.89703.00	.5808312	1.00078			
.98	.85261	.54750520	.6421512	,92337	.9049004	.5810827 .5812326	1.00054			
.99	.85004	.5412949 0	.6367892	.92198	.9127554	•0012526	1.00009			

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				THUMB V.	- contentine	T. DIECTLIC	TENT) 1.30		
M	$^{\mathrm{T/T}}$ t	p/p _t	$ ho/ ho_{ m t}$	a/a_{t}	v/a_t	$ ho_{f v}/ ho_{f t}$ a $_{f t}$	A/A _#	M ₂	$_{{}^{\mathrm{p}}\mathrm{t}_{2}}/_{{}^{\mathrm{p}}\mathrm{t}_{1}}$
1,00	.84746	.53511540	.6314338	.92057	-9205746	.5812819	1.00000	1.00000	1.000000
1.01	.84487	.52896050	.6260872	.91917	.9283582	.5812331	1.00008	.99013	.999999
1.02	.84227	.52283650	.6207491	.91775	.9361061	.5810870	1.00034	.98051	.999991
1.03	.63966	.51674300	.6154212	.91633	.9438180	.5806456	1.00075	.97113	.999966
1.04	.83704	.51,068100	.6101045	.91490	.9514940	.58051.08	1.00135	.96198	.999921
1.05	.83441	50465140	.6047995	.91346	.9591341	.5800838	1,00207	.95306	.999851
1.06	.83178	.49865490	.5995069	.91202	.9667381	.5795662	1.00296	.94436	.999748
1.07	.82913	.49269320	.5942284	.91057	.9743059	.5789603	1,00401	.93586	.999608
1.08	.82648	48676630	.5889638	.90911	.9818377	.5782668	1.00521	.92757	.999428
1.09	.82382	48087520	.5837142	.90765·	,9893531	,577 4 877	1.00657	91946	.999197
1.10	.82115	47502120	5784809	.90617	.9967923	.5766251	1.00808	.91155	.998918
1.11	.61846	46920490	.5732642	.90470	1.0042150	.5756807	1.00973	.90382	.998586
1.12	.81580	.46342670	.5680647	.99522	1.0116020	, 5746553	1.01153	.89626	.998195
1.13	.81511	.45768780	.5628837	.901.73	1.0189520	.5735515	1.01348	.88887	.997746
1.14	.81042	.45198860	.5577214	90023	1.0262660	.5723705	1.01557	.88165	.997234
1.15	.80772	.44632960	5525784	.89873	1.0335430	.5711138	1.01780	.87458	,996655
1.16	.80502	.44071200	5474559	89723	1.0407850	.5697836	1.02018	.86767	,996009
1.17	.80231	.43513600	.5423544	.89572	1.0479890	.5683815	1.02270	.86090	995294
1,18	.79960	.42960210	,5372741	,89420	1.0551570	.5669088	1.02536	.85428	.994506
1.19	.79688	.42411090	.5322159	.89268	1.0622890	.5653672	1.02815	84780	995647
1.20	.79416	.41866290	.5271803	.89115	1.0693840	.5637584	1.05108	.84146	.992711
1,21	.79143	.41325870	.5221.681	.88962	1.0784430	.5620844	1.03418	.83524	.991702
1,22	.78870	.40789870	.5171796	.88809	1.0834660	.5803484	1.03736	.82918	.990612
1.23	.78598	.40259340	.5122157	.88655	1.0904520	.5585466	1.04071	.82320	.989447
1.24	.78323	.39731270	.5072762	.88500	1.0974020	.556 685 8	1.04418	.81735	.988202
1.25	78049	.39208760	.5023622	.88345	1.1043150	.5547662	1.04780	.81165	.986878
1.26	.77775	.38690820	.4974742	.88190	1.1111920	.5527894	1.05154	.80602	.985476
1.27	,77500	.38177470	.4926123	.88034	1.1180330	.5507568	1.05542	. 80051.	.983994
1.28	.77225	.37668740	.4877771	.87878	1.1248380	.5486700	1.05944	.79512	.982428
1.29	,76950	.37164690	.4829693	.87721	1.1316060	.5465308	1.06358	.78983	.980786
1.30	.76675	.36665300	.4781888	.87564	1.1383380	.5445 4 05	1.06786	.78464	.979061
1.31	.78400	.36170610	.4734364	.87407	1.1450340	.5421007	1.07228	.77954	.977254
1,32	.76125	35680840	.4687123	.87250	1.1516940	.5398130	1.07782	.77455	.975370
1.33	.75849	.35195410	.4640170	.87092	1.1583180	.5374792	1.08150	.76964	.973404
1.34	.75574	.34714910	.4593505	.86933	1.1649060	•5350999	1.09631	.76483	.971359
1.35	.75298	.34239180	.4547154	.86775	1.1714580	. 5326773	1.09125	.76011	.969234
1.36	.75023	.33768210	.4501059	.86616	1.1779740	.5302128	1.09652	75547	.967032
1.37	.74747	.33302040	.4455287	.86456	1.1844540	.5277081	1.10152	.75092	.964751
1.38	.74472	.32840650	.4409816	.86297	1.1908980	.5251.642	1.10686	.74644	.982391
1.59	.74196	.32384040	4364649	.86157	1.1973070	.5225827	1.11233	.74205	.959957
1.40	.73921	.31932190	.4319786	.85977	1.2056810	.5199642	1.11793	.73774	.957443
1.41	.73845	.31485140	.4275235	.85817	1.2100180	.5173112	1.12366	.73350	.954857
1.42	.73570	.31042930	.4231002	.85656	1.2163210	5146254	1.12953	.72953	.952196
1.43	.73095	.30605430	.4187074	.85496	1.2225880	.5119063	1,13552	.72524	.949463
1.44	.72820	.30172750	.4143467	.85335	1.2288190	.5091,572	1.14165	.72121	.946656
1.45	.72545	.29744860	.4100181	,85174	1.2350160	.5063787	1.14792	.71726	.945777
1.46	.72271	.29321690	.4057208	.85012	1.2411770	.5035715	1.15432	.71337	.940827
1.47	.71996	.28903300	.4014560	.84951	1.2473040	.5007372	1.16005	.70955	.957813
1.48	.71722	.28489660	.3972234	.84689	1.2533950	.4978777	1.16752	.70579	.954729
1.49	.71448	.28080750	.3930233	.84527	1.2594520	.4949937	1.17432	.70210	.931577

TABLE V. - Continued. SPECIFIC HEAT, 1.36

M	T/T _t	p/p _t	$ ho/ ho_{ m t}$	a/a_t	v/a _t	$ ho_{ m v}/ ho_{ m t}$ at	A/A	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$	<u>უ</u>
1.50	.71174	.27676540	.3888555	84365	1.2654740	,4920862	1.18126	.69846	.928359	0,
1.51	.70901	.27277040	.3847204	84203	1.2714610	4891567	1.18833	69489	925075	
1.52	.70628	.26882210	.3806178	.84040	1.2774140	4862062	1.19555	.69137	.921728	
1.53	.70355	26492050	.3765481	.83878	1.2833320	.4832361	1.20289	.68791	.918324	
1.54	.70083	26106540	3725112	83715	1.2892160	4802475	1.21038	68450	.914856	
1.55	.69810	.25725640	.3685071	85553	1.2950660	4772409	1,21801	.68115	.911329	
1.56	,69539	25349370	.3645362	.83390	1.3008820	4742184	1.22577	.67785	.90774.5	
1.57	.69267	24977680	.3605984	.83227	1.3066640	4711807	1.23367	.67461	.904101	
1.58	.68996	24610520	.3566932	83064	1.3124120	.4681282	1,24171	.67141	.900403	
1.59	.68726	24247910	.3528213	.82901	1.3181260	.4650627	1,24990	.66827	.896654	
1.60	.68456	.23889800	.3489823	.82738	1.3238070	4619849	1.25823	.68517	.892849	
1,61	68186	.23536170	.3451764	.82575	1.3294540	. 4588960	1.26670	.66212	.888992	
1.62	.67917	23187020	.3414039	.82412	1.3350680	.4557972	1.27531	.65912	885089	
1.63	67848	.22842260	.3376640	.82248	1,3406480	4526884	1.28406	.65616	.881134	
1.64	67380	.22501910	.3339573	62065	1.3461960	.4495717	1.29297	65325	.877136	
1.65	.87112	.22165910	.3302833	.81922	1.3517100	.4464471	1.30202	65038	.873090	
1.66	.66945	.21834270	.5266425	.81759	1,3571910	.4433162	1.31121	.64756	.869002	
1.67	,66578	.21506910	.3230343	.81595	1.3626400	.4401794	1,32056	.64477	.864.868	
1.68	.66512	.21183830	.3194590	.81432	1.3680560	4370378	1,35005	.64203	.860692	
1.69	.66046	.20884990	.3159165	81269	1.3734400	.4338922	1.33969	.63933	.856479	
1.70	.65781	20550370	.3124068	.81105	1.3787910	.4307436	1.34948	.63667	.852226	
1.71	.65516	.20239910	3089295	80942	1.3841100	.4275925	1.35943	63404	.847938	
1.72	.65252	.19933580	.3054846	.80779	1.3893970	.4244394	1.36953	.65146	.843613	
1.73	.64989	.19631380	.3020725	.80616	1.3946530	.4212859	1.37978	.62891	839253	
1.74	64726	.193333220	.2986922	.80453	1.3998760	.4181317	1.39019	.62639	854.859	
1.75	64464	.19039100	.2953441	.80290	1.4050670	.4149782	1.40075	.62392	.830431	
1.76	.64203	.18748980	2920282	.80127	1.4102270	.4118261	1.41147	.62147	.825975	
1.77	63942	•18462840	.2887445	.79964	1.4153560	.4086761	1.42235	.61907	.821491	
1.78	65682	.18180610	2854924	.79801	1,4204540	.4055285	1.43339	.61669	.816977	
1.79	.63422	17902290	2822723	.79638	1.4255200	.4023846	1.44460	.61435	812438	
1.80	.63163	.17627800	.2790834	.79475	1,4305550	.3992441	1,45596	.61204	.807873	
1.81	.62905	17357140	2759262	.79313	1.4355600	.3961085	1.46748	.60977	.803284	
1.82	.62648	.17090250	2728002	.79150	1.4405330	.3929776	1.47917	.60752	.798673	
1.83	.62391	.16827100	.2697052	.78988	1.4454770	3898524	1.49103	.60531	.794037	
1.84	.62135	.16567670	.2666415	.78826	1.4503900	.3867339	1.50305	.60312	.789385	
1.85	.61879	.16311880	.2636083	.78663	1.4552730	.3836217	1.51525	.60097	.784711	
1.86	.61825	.16059730	.2606058	.78501	1.4601250	.3805169	1,52761	.59884	780022	
1.87	.61371	.15811170	.2576340	.78339	1.4649480	.3774202	1.54015	59674	.775316	
1.88	.61118	-15566160	2546924	.78178	1.4697410	.3743316	1.55285	.594.67	.770693	
1.89	•60865	.15324680	2517812	.78016	1.4745040	.3712521	1.56573	.59263	.765856	×
1.90	.60613	15086650	.2488996	77855	1.4792380	.3681814	1,57879	.59061	.761106	
1.91	.60362	14852070	.2460481	.77693	1.4839420	3651209	1.59202	.58862	.756345	Ϋ́
				77532	1.4886170	.3620705	1,60544	,58666	.751571	
1.92 1.93	.60112	14620890	.2432262 .2404338	.77371	1.4932630	.3690307	1.61903	.58472	.746789	NACA TN
	.59863	.14393070	.2376705	.77210	1.4978810	.3560018	1.63281	.58281	741997	
1.94	.59614	.14168570		77050	1.5024690	.3529843	1.64607	.58092	.737196	었
1.95	.59367	13947350	.2349362	.76889	1.5070290	.3499785	1.66091	.57906	.732391	3981
1.96	.59120	,13729380	.2322309	.76729	1.5115610	.3469649	1.67524	.57722	.727581	H
1.97	.58873	13514620	.2295543	.76569	1.5160640	.3440040	1.68976	.57540	.722763	
1.98	.58628	13303030	.2269062		1.5205390	.341.0356	1.70446	.57361	.717945	
1.99	•58583	.13094570	.2242862	.75409	T * 2502230	OCCALLSO.	** : ****	*0,00T	***************************************	

TABLE V. - Continued. SPECIFIC HEAT, 1.36

					COLULIA	di Dinoilio	man, 1.00			
М	$ exttt{r/r}_{ exttt{t}}$	p/p_{t}	ρ/ρ _t	a/a_t	V/a _t	$ ho_{f v}/ ho_{f t}$ a _t	A/A _★	M ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	×
2.00	.58140	.12889190	.2216942	.76249	1.5249860	. 3380802	1.71936	•57184	.713120	NACA TN
2.01	.57897	12686880	.2191302	76090	1.5294050	.3351385	1.73445	.57009	.708296	`≨
2.02	57654	12487600	.2165940	.75931	1.5357960	.3322108	1.74974	.56836	.703469	
2.05	57413	12291300	2140853	.75771	1.5381600	.3292972	1.76522	•56665	.6986 44	豆
2.04	57173	12097940	.2116037	.75613	1.5424970	.3263979	1.78090	.56497		
2.05	.56933	11907490	2091492	.75454	1.5468060	.3235131	1.79678	.56330	.693820	었
2.06	.56694	11719920	.2067217	.75296	1.5510890	.3206435	1,81286	.56166	.688998	3981
2.07	.56456	.11535170	2043205	.75137	1.5553440	3177884	1,82914	.5600 4	.684176	11
2.08	.56219	.11353230	2019459	.74979	1.5595730	.3149492	1.84564	.55843	.679360	
2.09	.55983	.11174050	.1995975	74822	1.5637750	3121254	1.86233	.55685	.674548	
2.10	.55748	.10997600	.1972751	.74664	1.5679500	.3093174	1.87924	.55528	.669739	
2,11	.55513	.10823850	1949785	.74507	1.5721000	.3065253	1.89636	.55374	.664939	
2.12	.55279	.10652740	1927073	.74350	1.5762230	.3037493	1.05050	.00016	.660144	
2.13	.55047	.10484270	.1904617	.74193	1.5803200	.3009900	1.91369	.55221	.655357	
2.14	.54815		1882408	- 14 LTG	T.2002500	.2982468	1.93123	.55070	.650577	
2.15	.54584	.10318380 .10155030	1860453	.74037 .73881	1.5843910 1.5884360	.2955209	1.94899	.5492l	.645806	
2.16		.09994198					1.96697	.54773	.641046	
2.17	.54354		.1838741	.73725	1.5924560	.2928113	1.98517	54628	.636295	
2.18	.54124 .53896	.09835874	,1817279	.73569	1.5964510	.2901194	2.00359	.544.84	.631553	
2.19		.09679969	1796053	.73414	1.6004200	.2874439	2.02224	.54341	.626824	
2 3V	.53668	.09526491	.1775070	.73259	1.6043640	.2847856	2.04112	.54201	.622110	
2.20	.53442	.09375403	.1754326	.73104	1,6082830	.2821451	2.06022	.54062	.617403	
2.21	.53216	.09226669	.1733819	.72949	1.8121780	.2795223	2,07955	53924	.612713	
2.22	.52991	.09080253	.1713546	.72795	1.6160480	.2769170	2.09912	.53788	.608035	
2.23	.52767	.08936099	.1693501	.72541	1.6198930	.2743288	2.11892	.53654	-60\$373	
2.24	.52544	.08794233	.1673691	.72487	1.6237140	.2717592	2.13896	.53521	.598724	
2.25	.52322	.08654559	.1654103	.72334	1.6275110	.2692068	2.15924	.53390	.594092	
2.26	.52100	.0851,7085	1634745	.72181	1.6312830	.2666725	2,17976	.53260	.589476	
2.27	.51880	.08381775	.1815606	.72028	1.6350320	.2641567	2.20052	.53132	.584875	
2.28	.51661	.08248594	.1596691	.71875	1.6387570	.2616587	2.22153	.53005	.580292	
2.29	.51442	.08117493	.1577991	.71723	1.8424580	.2591785	2.24279	.52879	.575725	
2.30	.51224	.07988476	.1559511	.71571	1.6461380	.2567165	2.26430	.52755	.571179	
2.31	.51007	.07861491	.1541244	.71420	1.6497900	.2542727	2.28606	.52833	.566649	
2.32	.50792	.07736507	.1523189	.71268	1.6534220	.2518471	2.30807	.52511	.562135	
2,33	.60577	.07613510	.1505346	.71117	1.6570300	.2494402	2.33035	.52391	.557644	
2.34	.50362	.07492452	.1487708	.70966	1.8606160	.2470508	2,35288	.52273	.553172	
2.35	.50149	.07373335	.1470281	.70816	1.6641780	.2446808	2.37568	.52155	.548718	
2.36	.49937	.07256095	1453054	.70666	1.6677180	.2423283	2,39874	.52039	.544285	
2.37	.49725	.07140719	.1436029	.70516	1.6712360	.2399942	2.42206	.51924	,539872	
2.38	.49515	.07027194	1419207	.70367	1.6747310	.2376789	2 .44 566	.51811	.535478	
2.39	.49305	.06915473	.1402582	.70218	1.6782040	.2353818	2.46953	.51698	.531109	
2.40	.49097	.08805530	1386151	.70069	1.6816560	.2331027	2.49368	.51.587	.526759	
2.41	48889	.06697334	.1369912	.69921	1.6850850	.2308417	2,51810	.51477	.522432	
2.42	.48682	.06590873	1353866	.69772	1.6884920	.2285991	2.54280	.51368	.518127	
2.43	.48476	.06486135	.1338014	.69625	1.6918780	.2263755	2.56778	. 51261	.5138 44	
2.44	.48271	.06383061	.1322346	.69477	1.6952420	2241696	2.59305	.51154	.509582	
2.45	.48067	.06281624	.1306861	.69330	1.6985850	.2219814	2.61860	.51049	.505345	
2.46	.47863	.06181829	.1291563	.69183	1.7019070	.2198119	2 .6444 5	.50944	.501129	57
2.47	.47661	.06083646	.1276448	.69037	1.7052080	.2176608	2.67058	.50841	.496938	7
2.48	.47459	.05987024	.1261510	.68891	1.7084880	,2155273	2,69702	.50739	.492769	
2.49	.47259	.05891963	.1246751	.68745	1.7117480	.2134121	2,72376	. 50638	.488625	

TABLE V. - Continued. SPECIFIC HEAT, 1.36

M	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	$ ho/ ho_{ m t}$	a/a_{t}	$orall/\mathbf{a_t}$	$ ho_{f v}/ ho_{f t}$ a _t	A/A*	M_2	p_{t_2}/p_{t_1}	<u>51</u>
2.50	.47059	.05798425	.1232166	.68599	1.7149860	.2113146	2.75078	.50538	.484503	œ
2.51	46860	.05706410	.1217759	68454	1.7182040	.2092356	2.77812	50439	.480406	
2.52	.46662	.05615869	1203522	68310	1.7214010	.2071743	2.80577	.50341	.476353	
2.53	46465	.05526777	.1189453	.68165	1,7245790	.2051303	2.83372	.50244	.472285	
2.54	.46269	.05439136	.1175555	.68021	1.7277360	.2031047	2.86198	.50148	.468261	
2.55	46073	.05352910	.1161823	.67877	1.7308730	.2010967	2.89056	.50053	.464261	
2,56	45879	.05268075	.1148256	.67754	1.7339910	,1991063	2.91946	.49959	.460287	
2.57	45685	.051.84597	.1134848	.67591	1.7370680	.1971330	2.94868	.49866	.456337	
2.58	45493	05102488	1221605	.67448	1.7401670	.1951778	2.97822	.49774	.452414	
2.59	.45301	.05021702	1108520	.67306	1.7432250	1932399	5.00808	.49683	.448514	
2.60	.45110	.04942219	.1095592	.67164	1.7462650	.1913192	5.03828	49592	.444639	
2.61	44920	04864027	1082820	.67022	1.7492850	.1894159	5.06882	49503	.440791	
2.62	44731	.04787094	.1070200	66881	1.7522860	.1875295	3.09967	.49414	.436967	
2.63	.44543	01711422	1057755	.66740	1.7552680	.1856607	3.13088	49327	.433169	
2.64	44355	.04638987	1045418	.66600	1.7582320	.1838065	3.16243	.49240	.429395	
2.65	44169	.04563720	1053250	.66459	1.7611760	.1819734	5.19432	49154	.425648	
2.66	43983	.04491672	.1021231	.66320	1.7641030	.1801554	3.22656	.49069	.421925	
2.67	43798	.04420781	.1009354	.66180	1.7670100	.1783537	3.25915	.48985	.418231	
2.68	.43614	.04351049	.0997622	.66041	1.7699000	.1765691	3.29209	48901	.414560	
2.69	43431	.04282437	.0986030	.65902	1.7727710	.1748006	5.32539	48819	.410915	
2.70	43249	04214956	.0974582	.65764	1.7756240	.1730491	5.35906	.48737	.407296	
2.71	.43067	.04148566	.0963271	.65626	1.7784590	.1713139	3.39308	.4 8656	.403701	
2.72	.42887	.04083251	.0952096	.65488	1.7812770	.1695947	3.42748	.4 8576	.400135	
2.73	.42707	.04018991	.0941056	.65351	1.7840770	.1678915	3.46224	.48496	.396593	
2.74	.42528	.03955788	.0930151	.65214	1.7868590	.1662049	3.49738	.48418	.393076	
2.75	42350	.03895606	.0919378	.65077	1.7896240	.1645340	3.53289	.48340	.389587	
2.76	.42173	.03832445	.0908737	.64941	1,7923710	.1628794	3.58879	.48262	.586120	
2.77	.41997	.03772272	.0898224	.64605	1.7951010	.1612403	3.60507	.4 8186	.382683	
2.78	.41822	.0371,3077	.0687838	.64670	1,7978140	1596168	3.64173	.4 81 1 0	.579269	
2.79	.41647	.03654845	.0877579	.64554	1,8005100	.1580089	3.67880	.48035	.375881	
2.80	.41473	.03597560	.0867443	.64400	1,8031900	.1564165	3.71625	.4 7961	.372519	
2.81	.41300	.03541204	.0657431	.64265	1.8058520	.1548593	5.75409	.4 7887	.369183	
2.82	.41128	.034.85772	.0847541	.64131	1.8084980	.1532777	3.79234	.47814	.365873	
2.83	.40957	.03431239	.0837772	.63997	1,8111280	.1517311	3.83100	.47742	.362587	
2.84	.40786	.03377599	.0828122	.63864	1.8137400	.1501999	3.87007	.4 7670	.559326	
2.85	.40617	.03324819	.0818587	.63731	1.8163370	.1486829	3,90954	.4 7599	.556092	
2.86	,40448	.03272903	.0809169	.63599	1,8189170	.1471811	3.94945	.4 7529	.352882	
2.87	.40280	.03221834	.0799866	.63466	1,8214820	.1456941	3.98975	.47460	.349700	
2.88	.40112	.03171590	.0790675	.63334	1.8240300	.1442214	4,03049	.4 7391	.346540	
2.89	.59946	.03122167	.0781596	.63203	1.8265630	.1427635	4.07165	47322	.343405	Z
2,90	.39780	.03073549	.0772629	.63072	1.8290800	.1413199	4.11324	.47254	,340297	A
2.91	.39616	.03025722	.0763770	.62941	1.8315810	.1398907	4.15527	.47187	.337213	NACA
2.92	.39452	.02978668	.0755018	.62811	1,8340670	.1384754	4.19774	.47121	.334154	
2.93	.39288	.02932386	.0746375	.62680	1,8385370	.1370745	4.24064	.47055	.331119	Ħ
2,94	.39126	.02886849	.0737834	.62551	1,8389920	.1356872	4.28399	. 46990	.328110	
2,95	.38964	.02842053	.0729398	,62421	1,8414320	.1343137	4.32780	.46925	.325124	3981
2,96	.38803	.02797990	.0721066	.62292	1,8438570	.1329543	4.37205	.46861	,322163	œ
2.97	.38643	.02754635	.0712834	.62164	1,8462660	.1316081	4.41677	.46797	.319228	
2.98	.38484	.02711990	,0704703	.82036	1.8486610	.1302756	4.46195	.46734	.316316	
2.99	.38326	.02670036	.0696670	.61908	1,8510410	.1289565	4.50759	. 46672	.313428	

				TABLE V.	- Continued	SPECIFIC	HEAT, 1.36			
M	$^{\mathrm{T/T}_{t}}$	p/p_{t}	$ ho/ ho_{ m t}$	$\mathtt{a/a_t}$	$ exttt{V/a}_{ exttt{t}}$	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A	M ₂	$_{^{\mathrm{p}}\mathrm{t}_{2}}/_{^{\mathrm{p}}\mathrm{t}_{1}}$	NACA TN
3.00	.38168	.02628761	.0688735	.61780	1.8534060	.1276506	4.55370	.46610	.310565	\mathcal{C}
3.01	.38011	.02588159	.0680897	.61653	1.8557570	.1263580	4.60028	.46548	.307725	_
3.02	.37855	.02548215	.0673155	.61526	1.8580930	.1250784	4.64735	.4648 8	.304909	は
3.03	.37699	.02508915	.0665505	61400	1.8604150	.1238116	4.69490	.46427	.302116	,-C-1
3.04	.37545	.02470256	.0657950	61274	1.8627230	.1225578	4.74293	.46368	.299349	Ω̈́
3.05	.37391	02432227	.0650487	6114 8	1.8650160	.1213168	4.79145	46308	.296603	3981
3.06	.37238	.02394810	.0643114	.61023	1.8672960	.1200883	4.84046	.46250	.293882	H
3.07	.37095	.02357996	.0635829	.60898	1.8695610	.1188721	4.88997	.46191	.291184	
3.08	.36934	.02321785	.0628635	.60773	1.8718120	.1176687	4.94000	.46134	.288508	
3.09	.36783	,02286158	.0621528	.60649	1.8740500	.1164775	4.99052	.46077	.285855	
3.10	.36633	.02251102	.0614506	.60525	1.8762740	.1152981	5.04157	.46020	.283227	
3.11	.36483	.02216619	.0607570	.60401	1.8784840	.1141311	5.09312	.45964	.280619	
3,12	.36335	.02182690	.0600718	.60278	1.8806810	.1129759	5.14519	.45908	.278035	
3.13	.36187	,02149315	.0593950	.60155	1.8828650	.1118328	5.19779	45853	.2754.75	
3.14	.36040	.02116470	.0587263	.60033	1.8850350	.1107010	5.25092	.4 5798	.272935	
3.15	.35893	.02084160	.0580657	.59911	1.8871920	.1095812	5.30458	.4 57 44	.270419	
3.16	.35747	.02052372	.0574132	.59789	1.8893360	.1084729	5.35878	.45690	.267925	
3.17	.35602	.02021097	.0567686	.59668	1.8914670	.1073759	5.41353	.4 5636	.265452	
3.18	.35458	.01990526	.0561318	.59 54 7	1.8935850	.1062903	5,46881	.45583	.263001	
5.19	.35315	.01960050	.0555027	.59426	1.8958890	.1052159	5.52466	.45531	.260572	
3.20	.35172	.01930262	.0548812	,59306	1.8977820	.1041525	5.58107	.45479	.258163	
3,21	.35029	.01900956	.0542673	.59186	1.8998610	.1031003	5.63803	.45427	.255778	
3.22	.34888	.01872122	.0536608	.59066	1.9019280	.1020590	5.69556	.45376	.25 3414	
3.23	.34747	.01845746	.0530616	.58947	1.9039830	.1010283	5.7 536 5	.45325	.251070	
3,24	.34607	.01815834	.0524697	.58828	1.9060250	.1000086	5.81232	.45275	.248747	
3.25	.34468	.01788365	.0518849	.58709	1.9080550	.0989992	5.87158	.45225	.2 4644 5	
3.26	.34529	.01761340	.0513072	.58591	1.9100720	.0980005	5.93142	.45175	.244164	
3.27	.34191	.01,734747	.0507365	.58473	1.9120770	.0970121	5.99186	.4 5126	.241904	
3.28	.34054	.01708584	.0501727	.58356	1.9140710	.0960342	6.05287	.45078	.239664	
3.29	.53917	.01682834	.0496156	.58239	1.9160520	.0950661	6.11450	.45029	.237444	
3,30	.33782	.01657503	.0490654	.58122	1.9180210	.0941084	6.17672	.44981	.235244	
3,31	.33646	.01632575	.0485217	.58005	1.9199790	0931606	6.23957	.44934	.233064	
3.32	.33512	.01608045	.0479846	.57889	1.9219240	.0922227	6.30302	44887	.230906	
3,33	.33378	.01583908	.0474539	.57774	1.9238590	.0912946	6.38710	.44840	.228765	
3.34	.33245	.01560156	.0469296	.57658	1.9257810	.0905761	6.43180	.44794	.226644	
3.35	.33112	.01536785	.0464117	.575 43	1.9276920	.0894674	6.49713	.44748	.224544	
5,36	.32980	.01513789	.0459000	.57428	1.9295920	.0885683	6.56310	.44702	.222461	
3.37	.32849	.01491157	.0453944	.57 314	1.9314800	.0876784	6.62970	.44657	.220399	
3.38	.32718	.01468887	.0448949	.57200	1.9333580	.0867979	6.69696	.44612	.218356	
3.39	.32588	.01446969	.0444014	.57086	1.9352230	.0859265	6.76487	-44 567	.216531	
3.40	.32459	.01425405	.0439139	.56973	1.9370760	.0850846	6.83342	.44523	.214325	
3.41	.32330	.01404182	.0434321	.56860	1.9389220	.0842115	6.90265	.44479	.212337	
3,42	.32202	.01383297	.0429562	.56747	1.9407550	.0833675	6.97254	.44436	.210368	
3.43	.32075	.01362741	.0424859	.56635	1.9425770	.0825321	7.04309	.44392	.208417	
3.44	.31 94 8	.01342513	.0420213	.56523	1.9443880	.0817056	7.11434	. 44 350	.206 4 85	
3.45	.31822	.01322606	.0415622	.56411	1.9461880	.0808879	7.18626	.44307	.204571	/ E
3.46	.31697	.01303018	.0411087	.56300	1.9479790	.0800789	7.25887	.44265	.202874	59
3.47	.31572	.01283735	.0408605	.56189	1,9497580	.0792781	7.33219	.44223	.200796	
3.4 8	.31448	.01264760	.0402177	.56078	1.9515270	.0784859	7.40619 7.48089	.44182	.19 8934 .197089	
3,49	.31324	.01246086	.0397802	.55968	1.953285C	.0777021	7.40000	.44141	• נסט	

TABLE V. - Continued. SPECIFIC HEAT, 1.36

M	T/T $_{ m t}$	p/p _t	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$ extsf{v}/\mathbf{a}_{ extsf{t}}$	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A_{*}	M_2	${ m p_{t}}_{2}/{ m p_{t}}_{1}$	60
5.50	.31201	.01227705	.0393479	,55858	1.9550330	. 0769265	7.55633	.44100	,195263	_
5.51	.31079	.01209615	.0389208	.55748	1.9567700	.0761590	7.63247	.44059	.193454	
3.52	30957	.01191813	.0384988	55639	1.9584980	.0753997	7.70932	.44019	.191662	
5.53	.30836	.01174289	.0380817	.55530	1.9602150	.0746483	7.78693	.43979	,189886	
5.54	.30715	.01157042	.0376697	.55422	1.9619230	.0739049	7.86525	.45939	.188127	
5.55	30596	.01140067	.0372625	.55313	1,9636200	.0731694	7.94432	.43900	.186385	
5,56	30476	01123361	0368602	.55205	1.9653070	.0724417	8.02413	.43861	. 184659	
5.57	.30357	.01106915	.0364627	.55098	1.9669850	.0717215	8.10470	.43822	.182949	
3.58	30239	01090730	.0360699	.54990	1.9686530	.0710090	8.18603	.43784	.181255	
3,59	,30122	.01074796	.0356817	,54883	1.9705100	.0703040	8.26812	.43746	.179578	
3.60	.30005	.01059115	.0352982	.54777	1.9719590	.0696065	8.35098	.43708	.177916	
5.61	29888	.01043677	.0349191	54670	1.9735970	.0689162	8.45461	.43671	.176271	
3.62	.29773	01028483	.0345446	.54564	1.9752270	.0682333	8.51902	.43633	.17 <u>4641</u>	
3.63	.29657	.01013527	.0341745	.54459	1.9768470	.0675577	8,60422	.43596	.173026	
3.64	.29543	.00998803	.0338088	.54353	1.9784570	.0668892	8.69022	.43560	.171427	
3.65	.29429	,00984310	.0334474	.54248	1.9800580	.0662277	8.77702	. 45 523	.1698 44	
3.66	29315	.00970043	.0330902	.54143	1,9816500	.0655731	8.86464	.43487	.168274	
3,67	.29202	.00956000	.0327373	.54039	1.9832330	.0649258	8.95305	.43451	.166721	
3.68	.29090	,00942174	.0323885	.53935	1.9848060	.0642848	9.04229	.43416	.165181	
3.69	.28978	.00928564	.0320438	.53831	1.9863710	0636509	9.13235	.43380	.163657	
3.70	.28867	.00915166	.0317032	.53728	1.9879260	.0630236	9,22326	.43345	.162147	
3.71	.28756	.00901976	.0313666	.53625	1.9894730	.0624029	9,31498	.43310	.160652	
3.72	.28646	00888990	.0310339	.53522	1.9910100	.0617887	9.40756	.43276	.159170	
3.73	.28556	.00876207	.0307051	53419	1.9925390	.0611812	9.50100	.43241	.157704	
3.74	28427	.00863622	.0303802	.53317	1.9940590	.0805800	9,59527	.43207	.156251	
3.75	.28319	.00851232	.0300591	.53215	1.9955700	.0599851	9,69044	.43173	.154811	
3.76	.28211	00839033	.0297418	.53114	1.9970730	.0593965	9.78647	.43140	.1,53387	
3.77	28103	.00827024	.0294282	.53012	1.9985670	.0588141	9,88336	.43107	.151975	
3.78	.27996	.00815200	.0291182	.52911	2.0000520	.0582380	9.98116	.43073	,150577	
3.79	.27890	.00803557	.0288119	.52811	2.0015300	.0576678	10.07984	.43041	.149193	
3.80	27784	.00792094	.0285091	.52710	2.0029980	.0571036	10.17941	.43008	.147822	
3.81	.27679	.00780809	.0282098	.52610	2.0044590	.0565455	10.27990	.42976	.14646 4	
3.82	27574	.00769697	.0279141	.52511	2.0059110	.0559932	10,38130	.429 44	.1451.19	
3,83	.27469	.00758756	.0276218	.52411	2.0073540	.0554466	10.48362	.42912	.143787	
3.84	.27366	.00747983	.0273529	.52312	2.0087900	.0549060	10.58685	.42880	.142468	
3.85	.27262	.00737376	.0270473	.52213	2.0102180	.0543710	10.69102	.42848	.141161	
3.86	.27160	.00726931	.0267651	.52115	2.0116370	.0538416	10.79615	.42817	.139868	
3,87	.27057	.00716646	.0264861	.52017	2.0130490	.0533178	10.90220	42786	.138588	
3,88	.26956	.00706519	.0262104	.51919	2.0144520	.0527996	11.00921	.42755	.137318	
3.89	.26854	.00696546	.0259578	.51821	2.0158480	.0522867	11.11720	.42725	.136060	₹
3.90	.26754	.00686727	.0256685	,51724	2.0172360	.0517793	11.22614	,42694	.134817	NACA
5.91	.26653	.00677057	.0254022	.51627	2.0186150	.0512773	11.33606	.42864	.1,33,584	▶
3.92	.26554	.00667533	.0251390	.51530	2.0199870	.0507804	11.44698	.42634	.132363	H
3,93	.26454	.00658155	.0248788	.51,454	2.0213520	0502888	11.55884	.42605	.131154	
3.94	.26356	.00648920	.0246216	.51338	2.0227090	.0498023	11.67175	.42575	.129957	(N
3.95	.26257	.00639826	.0243675	.51242	2.0240580	.0493211	11.78566	.42546	.128772	3981
3⊾96		.00630870	.0241162	.51146	2.0254000	.0488449	11.90055	.42517	.127597	呂
3.97	.26062	.00622049	.0238678	.51051	2.0267340	.0483737	12.01649	.42488	.126435	•
3. 98	.25965	.00613364	.0236223	.50956	2.0280610	.0479075	12.13344	.42459	.125283	
3.99	.25869	.00604807	.0233795	.50862	2.0293800	.0474460	12.25144	.42431	.124142	

M	T/T _t	p/p_{t}	$ ho/ ho_{ m t}$	$a/a_{ m t}$	$ exttt{V/a}_{ exttt{t}}$	$ ho_v/ ho_t^{\ a}_t$	A/A	$M_{\mathbf{Z}}$	$\mathbf{p_{t_2}/p_{t_1}}$	1
4.00	.25773	.00596383	.0231396	.50767	2.0306920	.0469895	12.37049	.42402	.123013	NACA
4.01	.25678	,00588083	.0229084	.50673	2.0319970	.0465377	12.49055	.42374	.121894	₽
4.02	.25583	.00579910	.0226680	.50579	2.0332950	.0460908	12.61171	.42346	.120787	N. I.
4.03	.25488	.00571860	.0224362	.50486	2.0345850	.0456485	12.73392	.42319	.119690	2
4.04	.25394	.00563932	.0222070	.50393	2.0358680	.0452105	12.85721	.42291	.118604	ćsi
4.05	.25301	.00556123	.0219805	50300	2.0571440	.0447774	12.98156	42264	.117528	č
4.06	.25208	.00548432	.0217566	.50207	2.0384140	.0443489	13.10742	.42237	.116462	3981
4.07	.25115	.00540856	.0215352	.50115	2.0396760	.0439248	15.23359	.42210	.115407	•
4.08	.25023	.00533594	.0213163	.50023	2.0409510	.0435051	13.36124	.42183	.114363	
4.09	.24931	.00526044	.0210999	49931	2.0421790	.0430898	13.49002	.42156	.113327	
4.10	.24840			49840		.0426788	13.61991		.112303	
4.11	.24749	.00518802	.0208860		2.0434200	.0428788	15.75093	.42130		
4.12	24659	.00511871	.0206745	.49748 .49657	2.0446550	.0418697	13.88311	.42104	.111288 .110283	
4.13	24569	,00504646	.0204654	-	2.0458830			.42077		
	.24479	.00497726	.0202586	.49567	2.0471040	.0414715	14.01642	.42052	.109288	
4.14	.24390	.00490909	.0200543	.49476	2.0483190	.0410775	14.15086	.42026	.108302	
4.15		.00484195	.0198522	.49386	2.0495260	.0406876	14.28650	.42000	.107526	
4.16	.24301	.00477578	.0196524	49296	2.0507280	.0403016	14.42550	.41975	106360	
1.17	.24213	.00471061	.0194548	.49207	2,0519220	.0399198	14.56126	.41,950	.105402	
4.18	.24125	.00464640	.01,92595	-49117	2.0531110	.0395419	14.70042	.41925	.104455	
4.19	.24038	.00458315	.0190663	49028	2,0542920	.0391678	14.84079	.41900	.103518	
4.20	.23951	.00452084	.0188754	.48940	2.0554680	.0387978	14.98234	.41875	.102586	
4.21	.23864	.00445945	.0186866	.48851	2.0566360	.0384315	15.12512	.41851	101865	
4.22	.23778	.00439897	.0184999	.48763	2.0577990	.0380691	15.26914	.41826	.100754	
4.23	.23693	.00433938	.0183153	.4 8675	2.0589560	.03771.04	15.41436	.41802	.099851	
4.24	.23607	.00428067	.0181328	.48587	2.0601060	.0373555	15.56081	.41778	.098956	
4.25	.23522	.00422282	.0179523	,4 8500	2.0612500	.0370041	15.70855	.4175 4	.098071	
4.26	.23438	.00416584	.0177739	.48413	2.0623870	.0366566	15.857 <i>5</i> 6	.41730	.097194	
4.27	.23354	.00410969	.0175974	.48326	2.0635190	.0363125	16.00778	.41707	.096325	
4.28	.23270	.00405437	.0174229	.48239	2.0646450	.0359720	16.15929	.41,683	. 09 54 65	
4.29	.23187	.00399985	.0172503	48153	2,0657650	.0356351	16.31209	.41660	.094613	
4.30	.23104	.00394813	.0170797	.48067	2.0668780	.0353016	16.46617	41,657	.095769	
4.31	.23022	.00389321	.0169109	.47981	2.0679850	.0349716	16.62160	.41614	.092934	
4,32	.22940	.00384106	.0167441	.47896	2.0690870	.0546449	18.77827	.41591	.0921 07	
4,33	.22858	.00378967	.0165790	.47810	2.0701830	.0343216	16.93632	.41568	.091287	
4.34	.22777	.00373904	,0164159	.47725	2.0712730	.0540018	17.09568	.41546	.090475	
4,35	.22696	.00368914	.0182545	.47640	2.0723570	.0536852	17.25638	.41523	.089672	
4.36	.2261,6	.00563995	.0160949	.47556	2.0734350	.0333717	17.41841	.41501	.088876	
4.37	.22536	.00359151	.0159371	.47472	2,0745080	.0330617	17.58181	.41479	.088088	
4.38	.22456	.00354375	.0157810	47388	2.0755750	.0327546	17.74659	.41457	.087307	
4.39	.22376	.00349670	.0156267	47304	2.0766360	.0524509	17.91272	.41435	.086534	
4.40	22298	.00345032	0154740	.47220	2.0776920	.0321502	18.08025	.41413	.085768	
4.41	,22219	.00340461	.0153230	47137	2.0787420	.0518526	18.24914	.41392	.085010	
4.42	.22141	.00335957	.0151737	47054	2.0797880	.0315580	18.41945	.41370	.084259	
4.43	22063	.00331519	.0150260	.46971	2.0808250	.0512665	18.59119	.41349	.08351.5	
4.44	.21986	.00327143	.0148799	.46889	2.0818590	.0309779	18.76437		.082778	
4.45	.21908	.00322832	.0147355	.46806	2.0828870	.0306924	18.93896	.41328	.082049	
4.46	.21832						19.11499	.41307		ന
4.47	.21755	.00318583	.0145926	.4672 4 .466 4 3	2.0839100	.0304097 .0301300	19.29250	.41286	.081326	51
4.48	.21679	.00314395	.0144513		2,0849270			.41265	.080611 .079902	
4.49	21604	.00310267 .00306198	.0143116 .0141733	.46561 .46480	2.0859400	.0298531 .0295790	19.47148 19.65191	.41244	.079200	
₩,33	10244	• AM GOTAR	*OT#1199	.40400	2.0869470	,∪63319 U	T0.00T21	.41224	.0/36/0	

TABLE V. - Continued. SPECIFIC HEAT, 1.36

M	T/T _t	$_{ m p/p_{t}}$	$ ho/ ho_{ m t}$	a/a _t	v/a_t	$\rho_{\rm v}/\rho_{\rm t}$ a _t	A/A _*	M_2	$p_{\mathbf{t}_2}/p_{\mathbf{t}_1}$
4.50	.21529	.00302187	.0140366	.46399	2.0879480	.0293077	19,83378	.41204	.078505
4.51	21454	.00298235	.0139014	.46318	2.0889440	.0290392	20.01721	41183	.077816
4.52	.21379	.00294338	.0137676	.46238	2.0899350	.0287733	20.20210	.41163	.077135
4.53	.21305	.00290497	.0136353	.46157	2.0909210	.02851.02	20.38853	.41143	.076459
4.54	.21231	.00286712	.0135044	46077	2.0919020	.0282499	20.57648	.41123	.075790
4.55	.21158	.00282981	.0133749	45997	2.0928780	.0279921	20.76594	41104	.075128
4.56	.21084	.00279302	.0132469	.45918	2.0938480	.0277369	20.95700	41084	.074472
4.57	21012	.00275676	.0131202	.45838	2.0948140	.0274844	21.14958	.41064	.073822
4.58	.20939	.00272102	.0129949	.45759	2.0957750	.0272344	21.54369	.41045	.073178
4.59	.20867	.00268578	.0128709	45680	2.0967300	.0269869	21.53944	41026	.072541
4.60	.20795	.00265104	.0127483	.45602	2.0976810	0267420	21.73673	.41007	.071909
4.61	.20724	.00261680	.0126271	.45523	2.0986270	.0264995	21.93562	.40988	.071284
4.62	.20653	.00258304	.0125071	.45445	2.0995680	.0262594	22.13615	40969	.070665
4.63	.20582	.00254976	.0123884	45367	2.1005040	.0260218	22.33825	40950	.070052
4.64	.20511	.00251695	0122709	.45290	2,1014360	0257866	22.54198	.40931	.069444
4.65	.20441	.00248460	0121548	.45212	2.1023620	.0255538	22.74742	.40913	.068842
4.66	.20372	.00245271	0120399	.45135	2,1032840	.0253233	22.95446	40894	.068246
4.67	.20302	.00242127	.0119262	.45058	2.1042010	.0250951	23.16317	.40876	.067656
4.68	.20233	.00239026	.0118137	.44981	2.1051130	.0248692	23.37350	.40857	.067071
4.69	.20164	.00235970	.0117024	44905	2.1060210	.0246456	23.58561	40839	.066492
4.70	.20096	.00232957	.0115924	.44828	2.1069240	.0244243	23.79934	.40821	.065919
4.71	.20027	.00229985	.0114835	.44752	2.1078230	.0242051	24.01480	.40803	.065350
4.72	19960	.00227056	.0113757	44876	2.1087170	.0239882	24.23203	.40786	.064787
4.73	.19892	.00224187	.0112691	.44601	2.1096060	.0237734	24.45089	.40768	.064250
4.74	.19825	.00221318	.0111637	.44525	2.1104910	.0235608	24.67156	.40750	.063679
4.75	.19758	.00218509	.0110593	.44450	2.1113720	.0233503	24.89392	.40733	.063131
4.76	19691	.00215740	.0109561	.44375	2.1122480	.0231419	25.11811	.40715	.062589
4.77	.19625	.00213009	0108559	44300	2.1131190	.0229356	25.34403	40698	.062052
4.78	.19559	.00210516	.0107528	.44226	2.1139870	.0227314	25.57172	40681	.061521
4.79	19493	.00207661	0106529	.44151	2.1148490	.0225292	25,80129	40664	.060995
4.80	19428	.00205042	.0105539	.44077	2.1157080	.0223290	28.03260	.40647	.060473
4.81	.19363	.00202460	.0104560	.44003	2.1165620	.0221309	26.26576	40630	.059956
4.52	.19298	.00199913	0103591	.43930	2.1174120	.0219345	26.50068	.40613	.059445
4.83	.19234	.00197401	0102633	.43856	2,1182580	.0217403	26.73752	40596	.058938
4.84	.19170	.00194924	.0101684	.43783	2.1190990	.0215479	26.97620	40580	.058436
4.85	19106	.00192482	.0100746	.4371.0	2.1199360	.0213575	27.21676	40563	.057938
4.86	.19042	.00190073	.0099817	43637	2,1207690	.0211690	27.45914	.40547	.057446
4.87	.18979	.00187697	.0098899	.43565	2.1215980	.0209823	27.70347	.40531	.056958
4.88	18916	00185354	.0097989	43492	2.1224230	.0207975	27.94965	40514	.056474
4.89	.18853	.00183043	.0097089	43420	2.1232430	.0206145	28,19781	.40498	.055995
4.90	.18791	.00180764	.0096199	.43348	2.1240600	.0204333	28.44782	40482	.055521
4.91	.18728	.00178516	.0095318	.43276	2.1248730	.0202538	28,69985	.40466	.055051
4.92	.18667	.00176299	.0094446	43205	2.1256810	.0200762	28.95376	40450	•054586
4.93	.18605	.00174112	0093583	.43134	2.1284850	.0199003	29,20972	.40435	.054125
4.94	.18544	.00171955	.0092729	.43062	2.1272870	.0197262	29.46763	40419	.053668
4.95	18483	.00169827	40091884	.42992	2.1280830	.0195537	29,72747	40403	.053215
4.96	.18422	.00167728	.0091048	.42921	2.1288750	.0193829	29,98931	40588	.052767
4.97	.18362	.00165658	.0090220	.42850	2,1296640	.0192139	30.25322	.40373	_052323
4.98	.18301	.00165616	.0089401	.42780	2.1304490	.0190465	50,51918	.40357	.051.883
4.99	.18241	.00161602	.0088591	.42710	2,1312300	.0188807	30.78707	.40342	.051447

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TABLE V. - Continued. SPECIFIC HEAT, 1.36

				THDIE A.	- concinue	T. DEFCIPIC	mmAT, 1.30			
M	$ extbf{T/T}_{ ext{t}}$	$p/p_{ m t}$	ρ/ρ _t	a/a_t	V/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A*	M_2	$\mathbf{p_{t_2}/p_{t_1}}$	NACA
5.00	.18182	.00159615	.0087788	.42640	2,1320080	.0187165	31,05710	.40327	.051015	Ĺ
5.01	.18122	.001,57655	0086994	42570	2.1327810	.0185540	31.32920	.40512	.050588	7
5.02	.18063	.00155722	.0086209	.42501	2.1335500	.0183930	31,60337	.40297	.050164	Ц
5.03	18005	00153814	.0085431	.42432	2.1345160	.0182337	31.87960	.4028Z	.049745	
5.04	.17946	.00151933	.0084661	.42363	2.1350780	.0180758	32.15796	.40267	.049329	Ó
5.05	.17888	.00150076	0085899	.42294	2.1358360	.0179195	32.43842	.40252	048917	3981
5.06	.17830	.00148245	.0083145	.42225	2.1365910	.0177648	32,72107	.40238	.048509	13
5.07	.17772	.00146438	0082399	.42157	2.1375420	.0176115	33.00578	.40225	.0481.04	•
5.08	.17714	.00144656	,0081660	42088	2.1380890	.0174597	35,29274	.40209	.047704	
5,09	.17657	.00142898	.0080929	42020	2.1388330	.0173095	33.58175	.40194	.047507	
5.10	.17600	.00141163	.0080206	.41.952	2.1395740	.0171606	33.87302	.40180	.046914	
5.11	.17543	.00139451	.0079489	.41885	2.1405100	.0170132	34.16648	.40166	.046524	
5.12	.17487	.00137762	.0078781	.41817	2.1410430	.0168675	34.46213	40152	.046138	
5.13	.17431	.00136096	.0078079	.41750	2.1417730	.0167227	34.78008	.40138	045756	
5.14	.17375	.00134452	.0077384	.41683	2.1424980	.0165796	35.06016	.40124	.045377	
5.15	.17319	.00132830	.0076697	.41616	2.1432210	.0164378	35.36256	40110	.045002	
5.16	.17265	.00131229	.0076016	.41549	2.1439400	.0162974	35.66723	.40096	.044,650	
5.17		.000.29650	.0075342	41483		.0161583	35.97414	.40082	.044262	
5.18	.17208 .17153	.00128092	.0074675	.41416	2,1446560 2,1453670	.0160206	36,28 334	.40068	.045897	
		.00126554	.0074015	.41350		.0158842	36.59491	.40055	.043535	
5.19	.17098	.00125037	.0073362		2,1460760		36.90879	.40041	.043177	
5.20	.17044			.41284	2.1467820	.0157492	57.22 4 97		.042822	
5.21	.16990	.00123540	.0072715	.41219	2.1474840	.0156154	37.54349	.40028 .40014	,042470	
5.22	.16936			.41153	2.1481820	.0154829	37.86434		.042122	
5.23	.16882	.00120605	.0071440	.41088	2.1488780	.01.5351.7	38.187 6 3	.4000 <u>1</u> .39988		
5.24	.16828	.00119166	.0070813	.41022	2.1495700	.0152217			.041776	
5.25	.16775	.00117748	.0070192	.40957	2.1502590	.0150930	38.51330 38.84144	.39975 .39962	.041434 .041095	
5.26	.16722	.00116546	.0069577	40892	2.1509440	.0149655	59.17197		.040759	
5.27	.16669	.00114983	.0068968	.40828	2.1516260	.0148393	59.50491	.39949		
5.28	16617	.00113598	.0068365	.40763	2.1523050	.0147142		.39936	.040427 .040097	
5.29	.16564		.0067768	.40699	2.1529810	.0145903	39.84028	.59925		
5.30	.16512	.00110923	.0087177	.40635	2.1536530	.0144676	40.17808 40.51842	.39910	.039770	
5.31	.16460	.00109611	.0066592	.40571	2.1543230	.0143481	40.003.45 40.0TO#5	.59897	.039446	
5.32	.16408	.00108317	.0066013	.40507	2.1549890	.0142257	40.86132	.39884 	.039126	
5.33	16357	.00107039	.0065440	.40444 40700	2.1556520	.0141065	41.20660 41.55448	.59872	.038808	
5.34	.16306	.001.05778	,0064872	.40580	2.1563120	.0139884	#T.00440	.39859	.038493	
5.35	.16255	.00104534 .00103306	.0064510	.40317 .40254	2.1569690	.0138715	41.90495 42.25784	.59847	.058181	
5.36	.16204		.0063753		2.1575230	.0137556		.3983 <u>4</u>	.057871	
5.37	.16153	.00102094	.0063202	.40191	2.1582730	.0136408	42.61346	.39822	.037565	
5.38	.16103	.00100897	.0052657	.40129	2.1589210	.0135271	42.97152	.39810	.037261	
5.39	.16053	.00099716	.0062117	.40066	2.1595660	.0134146	43.33224	.39797	.036960	
5.40	.16003	.00098550	.0061582	.40004	2.1602070	.0133030	43,69556	.39785	.036662	
5.41	.15953	.00097400	.0061053	39942	2.1608470	.0131925	44.08163	.39773	.036367	
5.42	15904	,00096264	.0060528	.39880	2.1614820	.0130631	44.43013	.39761	.036074	
5,43	.15855	,000951,42	.0060009	.39818	2.1621150	.0129746	44.80145	.39749	.035784 085406	
5.44	.15806	.00094036	.0059495	.39756	2.1627440	.0128672	45.17540	.39737	.035496	
5.45	.15757	,00092943	.0058986	.39695	2.1635720	.0127608	45.55211	.39725	.035211	σ.
5.46	.15708	.00091864	.0058482	.39634	2.1639950	.0126554	45.93147	.39714	.034929	63
5.47	.15660	.00090800	.0057983	.39573	2.1646170	.0125510	46.51351	.39702	.034649	
5.48	.15612	.00089749	.0057488	.39512	2.1652350	.0124476	46.69834	. 39690	.034372	
5.49	.15564	,00068711	.0056999	.39451	2.1658500	.0123451	47.08597	.39679	.034097	

M	$ exttt{T/T}_{ exttt{t}}$	$p/p_{ m t}$	$ ho/ ho_{ m t}$	a/a_{t}	- Concluded V/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _*	M ₂	$_{\mathrm{p_{t_2}/p_{t_1}}}$	
	•	_	-	_	*		.,	_		
5.50	.15516	.00087687	.0056514	-39390	2.1664650	.0122436	47.47635	.39667	.035825	
5.51	.15468	.00086676	.0056034	.39330	2.1670730	.0121451	47.86944	.39656	.033555	
5.52	.15421	.00085678	,0055559	.39270	2.1676800	.0120434	48.26540	.59844	.033288 	
5.53	.15374	.00084692	.0055088	.39209	2.1682840	.0119448	48.66423	-39633 ********	.053023	
5.54	.15327	.00083719	.0054682	.39150	2.1688850	.0118470	49.06585	.39622	.052760	
5.55	.15280	.00082758	.0054161	.39090	2.1694830	.0117501	49.47056	.39610	.052500	
5.56	.15234	.00081810	.0053704	.39030	2.1700800	.0116541	49.87768	.39599	.032242	
5.57	.15187	.00080874	.0053251	.38971	2.1706720	.011.5591	50.28794	.39588	.051986	
5.58	.15141	.00079949	.0052803	.38912 -38912	2.1712630	.0114649	50.70104	. 39577	.051.753	
5.59	.15095	.00079036	.0052359	.38852	2.1719510	.0113716	51.11710	.39566	.031482	
5.60	.15049 .15004	.00078135	.0051919	.38794	2.1724360	.0112791	51.53616	.39555 .39544	.031233 .030986	
5.61	.14958	.00077245	.0051484	.38735 30676	2,1730190 2,1735990	.0111875	51.95809 52.58304	.3953 5	.030742	
5.62	.14913			.38676 .38618		.0110967		.3952 3	.030499	
5.63 5.64	.14868	.00075499	.0050625	,38559	2.1741760 2.1747510	.0110069 .0109178	52.81091 53.24183	.39512	.030259	
5.65	.14823	.00075796	.0030202	.38501	2.1753250	.0108295	53.67581	.3950 <u>1</u>	.030023	
5.66	.14779	.00073786	.0049368	,38443	2.1758920	.0107420		.59490	.029785	
5.67	.14734	.00072351	.0048957	.38386	2.1764590	.0106554	54.11288 54.55293	.39480	.029552	
5.68	14690	.00072338	.0048550	.38328	2,1770230	.0105695	54.99595	.39469	.029320	
5.69	.14646	.00070517	0018147	.38270	2.1775850	.0104844	55.44225	.39459	.029090	
5.70	.14602	.00069723	.0047748	.38215	2.1781.440	.0104002	55.89156	.39448	.028863	
5.71	.14559	.00068939	.0047352	.38156	2.1787010	.0103167	58.34391	.39438	.028637	
5.72	.14515	.00068164	,0046961	.38099	2.1792550	.0102559	56.79958	-59428	.028414	
5.73	.14472	.00067400	.0046573	.38042	2.1798070	.0101519	57.25851	.39418	.028192	
5.74	14429	.00066644	.0046188	37985	2.1803560	.0100707	57.72024	•39407	.027972	
5.75	.14386	.00065898	.0045807	.37929	2.1809030	.0099902	58.38545	.39397	.027755	
5.76	14343	.00065161	0045430	.37872	2.1814470	.0099104	58.65372	.39387	.027539	
5.77	14301	.00064434	0045057	.37816	2.1819900	.0098313	59.12541	.39377	.027525	
5.78	14258	.00063715	.0014687	.37760	2.1825290	.0097550	59.60026	.39367	.027113	
5.79	.14216	.00063006	.0014320	.37704	2.1830660	.0096754	60.07827	.39357	026903	
5.80	.14174	.00062305	.0043957	37648	2,1836010	.0095985	60.55974	•39 34 7	.026694	
5.81	14152	.00061612	.0043597	.37593	2.1841540	.0095223	61.04441	.39537	.026488	
5.82	14090	.00060929	.0043241	237537	2.1846640	.0094467	61.53256	.39327	.026285	
5.85	14049	.00060253	.0042888	.37482	2.1851920	.0093719	62.02381	.59516	.026080	
5.84	14008	.00059586	.0042539	.37427	2.1857170	.0092977	62.51858	.59508	.025879	
5.85	13986	.00058927	.0042192	.37372	2.1862400	.0092242	63.01677	.39298	.025680	
5.86	13925	.00058277	,0041849	.37517	2.1867610	.0091514	63.51823	.59289	.025482	
5.87	13885	.00057634	.0041509	-37262	2,1872790	.0090792	64.02327	.39279	.025286	
5.88	.13844	.00056999	.0041172	.37207	2.1877960	.0090077	64.53165	,39270	.025092	
5.89	13903	.00056372	.0040839	.37153	2.1883100	.0089368	65.04546	.39260	.024899	
5.90	.13763	.00055752	.0040509	.57099	2.1888220	.0088666	65,55880	.39251	.024709	
5.91	13723	,00055140	.0040181	.37045	2.1893310	.0087970	66.07748	.39241	.024519	
5.92	13683	00054536	.0039857	.36991	2.1898380	.0087280	66.59965	.39232	.024332	
5.93	.13643	00053939	0039555	.36937	2.1903430	.0086596	67.12577	.39223	.024146	
5.94	13604	.00053349	.0039217	36883	2.1908450	.0085918	67.65512	.39213	.023962	
5.95	.13564	.00052766	.0038902	.36829	2.1913460	.0085247	68,18817	.39204	.023779	
	.13525	.00052190	.0038589	.36776	2.1918450	.0084581	68,72468	.39195	.023598	
5.97	.13486	.00051.622	.0038279	.36723	2.1923420	.0083922	69.26481	.39186	.023418	
5.98	.13447	.00051060	.0037973	-36669	2.1928350	.0083268	69.80875	-3917 7	.023240	
5.99	.13408	.00050505	.0037669	.36616	2.1933280	.0082620	70.35616	.59168	023064	
6.00	,13369	.00049957	.0037368	.36564	2.1938170	.0081978	70.90727	.39159	.022889	
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ID A TO E TO	TTT		CIMATETA	TITLE A CO	7 70	١.
TABLE	V / _	_	SPECIFIC	HKAT.	130	1

				TABLE	AI DEEC	LFIC HEAT, I	.30			
M	$^{\mathrm{T}/\!\mathrm{T}_{\mathrm{t}}}$	p/p_{t}	$ ho/ ho_{\mathbf{t}}$	a/a_t	v/a_t	$\rho_{ m v}/\rho_{ m t}$ at	A/A_*	M2	p_{t_2}/p_{t_1}	z
0.00	1.00000	1.00000000	1,0000000	1.00000	.0000000	.0000000				NACA
.01	.99998	.99993070	.9999498	.99999	.0099999	.0099994	58.00222			≯
.02	.99992	99972420	.9998003	.99996	.0199992	.0199952	29.00650			н
.03	.99983	99937900	.9995500	.99991	.0299974	0299839	19.34328			NLT
.04	.99970	99889700	9992008	.99985	.0599959	.0599619	14.51351			ſu
.05	99953	99827660	,9987509	.99976	.0499881	0499256	11.61702			<u> </u>
.06	.99932	.99751980	.9982022	.99966	.0599794	.0598716	9.68718			3981
.07	.99907	.99662670	.9975546	.99953	.0699674	.0697963	8,30972			
.08	.99879	.99559640	.9968071	.99939	.0799514	,0796961	7.27749			
.09	.99846	99443070	.9959612	.99923	.0899308	.0895676	6.47542			
.10	.99810	99313030	.9950174	.99905		.0994073	5.83446			
.11	.99771	.99169550	.9939755	.99885	,0999051 .1098738	.1092118	5.31067			
.12	.99727	.99012680	.9928359	,99863	.1198362	.1189776	4.87477			
.13	.99680	.98842520	.9915991			.1287014	4.50646			
.14	.99629	.98659210	.9902663	.99840	,1297918	.1583798	4.19127			
,15	.99574			.99814	.1597401	.1480094	3.91.859			
.16	.99516	.98462720 .98253320	.9888366	.99787	.1496804	.1575871	3,68042			
.17	.99454	.98031000	.9875124 .9856930	.99758	.1596123	.1671096	3.47070			
				.99727	.1695352					
.18	.99388	.97795940	.9859798	.99694	.1794486	.1765736	3.28468			
,19	.99319	.97548150	.9821725	, 99659	.1893518	.1859760	3.11862			
.20	.99248	.97287870	.9802727	.99622	.1992444	.1953137	2.96952 2.83496			
.21	.99169	.97015230	.9782813	. 99584	.2091257	.2045857				
.22	.99089	.96730340	.9761988	. 99543	.2189954	.2137829	2.71298			
.23	.99005	.96433290	.9740255	.99501	.2288528	.2229084	2.60191			
.24	,98917	.96124300	.9717629	.99457	.2386975	.2519572	2.50041			
.25		.95803570	.9694124	.99411	.2485288	.2409268	2.40732			
.26	.98732	.95471120	.9669736	.99364	.2583462	.2498139	2.32168			
.27	.98634	.95127180	.9644480	.99315	.2681494	.2586160	2.24266			
.28	.96532	.94771880	.9618362	.99263	.2779376	.2673303	2.16955			
.29	.98427	.94405590	.9591411	.99211	.2877105	.2759548	2.10175			
.30	.98319	.94028220	.9563611	,99158	.2974675	.2844862	2.05872			
.31		.93640130	.9554992	.99099	.3072081	.2929225	1.98000			
.32		.93241490	9505561	99041	.3169318	.3012613	1.92520			
.33	.97973	.92832450	.9475324	.98961	.3266381	.3095001	1.87395			
.34		.92413180	.9444296	.98920	.3363266	.3176366	1.82595			
.35		.91963920	.94,12486	.98856	.3459967	.3258688	1.78091			
.36		.91544910	.9379912	.9 8 791	.3556479	.3335945	1.73860			
.37	.97465	.91096290	.9346581	.98724	.3652799	.3414117	1.69879			
.38	.97330	.90638270	.9312503	, 98656	.3748921	.3491182	1.66129			
.39		.90171070	.9277693	.98586	.384 4 840	,3587123	1.62593			
,40		,89695060	.9242180	, 9851.4	.3940553	.3641928	1,59253			
.41		.89210200	9205950	.98440	.4036053	.3715569	1.56097			
.42		.88716830	.9169027	,98365	.4131338	.3788034	1.53111			
.43		.88215200	.9131430	.98288	.4226403	.3859308	1.50283			
.44		.87705480	.9093164	.98210	.4321242	.3929375	1.47603			
.45		.87188000	.9054257	.98130	.4415852	.3998225	1.45061			_
.46		.86662840	.9014704	.98048	.4510229	.4065837	1.42849			9
.47		.86130310	.8974530	.97965	.4604369	.4132203	1.40358			٥.
.48		.85590630	.8933745	.97881	.4698266	.41,97310	1.38181			
.49	.95637	.85044010	.8892364	.97794	.4791918	.4261147	1.36111			

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M	T/T _t	p/p_{t}	$ ho/ ho_{\mathbf{t}}$	a/a_t	$rak{V/a_t}$	$\rho_{ m v}/\rho_{ m t}$ $^{ m a}_{ m t}$	A/A*	w ^S	$\mathbf{p_{t_2}/p_{t_1}}$	66
0.50	.95465	.84490690	.8850401	.97706	.4885520	.4324705	1.34141			Ç
.51	.95291	.83931030	,8807883	.97617	.4978469	.4384975	1,32267			
.52	95113	.83365010	.8764798	.97526	.5071359	.4444942	1.30483			
.53	94933	.82793050	.8721181	.97434	.5163988	.4503806	1.28783			
.54	.94750	.82215400	.8677047	.97540	.5256352	.4560960	1.27164			
.55	.94565	.81632160	.8632398	.97244	5348447	.4616990	1,25620		·	
.56	.94577	.81043630	.8587254	.97148	.5440269	.4671.6 96	1,24149			
.57	.94186	80450040	.8541631	.97049	.5531815	.4725071	1.22747			
.58	.93992	.79851680	.8495549	.96950	.5623081	.4777115	1.21410			
. 59	,93796	.79248670	.8449011	.96849	.5714064	.4827818	1.20135			
.60	.93598	.78641280	.8402036	.96746	5804761	.4877179	1.18919		I	
.61	.95397	.78029800	.8354644	.96642	.58951.68	.4925201	1.17759		:	
.62	.93194	.77414410	.8306846	,96537	.5985281	.4971879	1.16654			
.63	.92988	.76795330	.8258656	96450	.6075099	.5017213	1.15800			
.64	.92780	.76172830	.8210091	.96322	.6164617	.5061205	1.14595			
.65	.92569	.75547060	.8161161	.96213	.6253833	.5103852	1.13637			
.66	.92356	.74918280	.8111883	.96102	.6342742	.5145156	1.12725			
.67	.92141	.74286720	.8082272	.95990	.6431344	.5185123	1.11856			
.68	.91924	.73652600	.8012343	.95877	.6519635	.5223753	1.11029			
.69	.91705	.73016070	.7962104	.95762	.6607611	.5261047	1.10242			
,70	.91483	.72377500	.7911585	95647	.6695270	.5297019	1.09495			
.71	.91259	71756930	.7860783	95530	.6782611	.5331661	1.08782			
.72	.91034	71094680	.7809723	.95412	6869629	.5364989	1.08106			
.73	.90806	.70450910	.7758415	.95292	.6956323	.5397002	1.07465			
.74	.90576	.69805800	.7706868	.95171	.7042690	.5427706	1.06857			
.75	90344	69159590	.76551.03	95050	.7128727	.5457113	1.06281			
.76	90111	.68512510	.7603136	.94927	.7214434	5485251	1.05736			
.77	.898,75	.67864860	.7550969	94803	.7299805	.5512059	1.05222			
.78	89638	.67216300	.7498625	.94677	7384841	.5537614	1.04736			
.79	89599	.66567670	.7446121	.94551	7469539	.5561908	1.04279			
.80	.89158	.65918810	.7393454	.94424	.7553897	5584937	1.03849			
.81	.88916	.65270060	.7340657	.94295	.7637912	.5606727	1.03445			
.82	.88672	.64621400	.7287718	.94166	.7721582	.5627270	1.03067			
,83	88426	.63973220	.7234675	94035	.7804907	.5646595	1.02715			
.84	.88178	.63325600	7181530	.93903	.7887884	.5664706	1.02386			
.85	87929	.62678720	,7128295	,93771	.7970512	.5681614	1.02082			
.85	.87679	.62032730	7074982	.93637	.8052789	.5697332	1.01800			
.87	.87427	.61387760	.7021601	.93502	.8134711	.5711868	1.01541			
.88	.87174	.60744060	.6968171	.93367	.8216280	.5725243	1.01304			
,89	.86919	.60101730	6914699	.93230	,8297494	.5737465	1.01088			-
.90	.86663	.59460880	.6861192	.93093	8378549	5748545	1.00893			S
.91	.86405	.58821750	.6807671	,92954	.8458846	.5758503	1.00719			NACA
.92	.86146	.58184410	.6754140	.92815	.8538983	.5767347	1.00564			
.93	.85886	.57549030	.6700613	.92675	.861.8759	.5775095	1.00429			NE
.94	.85625	56915780	.6647104	.92534	.8698173	.5781765	1.00313			
.95	.85362	.56284740	6593618	.92392	.8777222	.5787363	1.00216			Ċī
.96	.85099	55656050	.6540166	.92249	,8855908	.5791910	1.00138			398I
.97	84834	.55029870	6488762	92105	.8934228	.5795420	1.00077			ĭ
.98	.84568	.54406290	6433414	.91961	.9012181	.5797908	1.00054			
.99	.84301	53785430	.6380131	.91816	.9089768	.5799389	1.00009			
. 33	, U = UUL		· COTO TO T	* 01/17/0		-0.00	T-1 AAAA4			

TABLE VI. - Continued. SPECIFIC HEAT, 1.38

			1	ALAM TA	001101111100				,	
М	$^{\mathtt{T}/\mathtt{T}_{\mathtt{t}}}$	$p/p_{ t t}$	ρ/ρ _t	a/a_t	V/a _t	$\rho_{ m v}/ ho_{ m t}$ a _t	A/A	$^{M}_{2}$	$\mathbf{p_{t_2}/p_{t_1}}$	NACA
1.00	.84034	.53187370	,6326918	.91670	.9166986	.5799875	1.00000	1.00000	1.000000	ñ
1.01	.83765	.52552300	.6273795	.91523	.9243835	.5799390	1.00008	.9901.5	1.000000	₽
1.02	.83495	.51940330	.6220769	.91376	.9320314	.5797950	1.00033	.98051	.899991	E
1.03	.83224	.51331480	61,67843	.91227	.9396423	.5795564	1.00075	.97114	.999968	
1.04	.82953	.50725910	.6115029	.91078	.9472160	.5792252	1.00132	.96201	.999924	CN
1.05	.82681	.50123670	.6062334	.90929	.9547527	.5788028	1.00205	.95309	.999855	3981
1.06	.82407	.49524930	.6009772	.90778	.9622520	5782914	1.00295	.9444 0	.999749	7
1.07	.82133	.48929720	.5957346	.90628	.9697143	.5776921	1.00397	.93592	.999609	•
1.08	.81859	.48338130	5905065	.90476	.9771391	.5770069	1.00517	.92764	.999428	
1,09	.81.583	.47750260	5852936	.90324	.9845267	.5762371	1.00651	.91956	.999200	
1,10	.81307	.471.66200	. 5800972	,90171	.9918770	.5753849	1.00800	.91166	.998925	
1.11	.81031	.46585990	.5749172	.90017	.9991899	.574451.4	1.00964	.90395	.998591	
1.12	.807.54	.46009730	.5697550	.89863	1.0064650	.5734385	1.01142	.89641	.998204	
1.13	.80476	.45437490	.5646112	,89708	1.0137030	.5723482	1.01355	.88905	.997756	
1.14	.80197	.44869320	.5594865	.89553	1.0209040	.5711817	1.01542	.881.85	.997247	
1.15	.79918	.44305300	,5543812	,89397	1.0280670	.5699410	1.01763	.87480	.996672	
1,16	.79639	.4374551.0	.5492966	.89241	1.0351930	.5686279	1.01998	86792	.996030	
1.17	.7935 9	.43189940	.5442325	.89084	1.0422810	.5672433	1.02247	.86118	.995320	
1.18	.79079	.42638690	.5391901	.88926	1.0493320	.5657894	1.02509	.85459	.994539	
1.19	.78799	.42091820	.5341700	.88769	1.0563460	.5642682	1.02786	.84813	.993684	
1.20	.78518	.41549370	.5291728	.88610	1.0633220	.5626809	1.05078	.84182	.992754	
1.21	.78236	.41011340	.5241984	.88451	1.0702610	.5610288	1.03379	.83563	.991752	
1.22	.77955	40477850	.5192480	.68292	1,0771620	.5593142	1.03696	.82958	.990673	
1,23	.77673	.39948860	.5143220	.88132	1.0840280	.5575385	1.04027	.82364	.989516	
1.24	.77391	.39424450	.5094208	.87972	1.0908530	.5557030	1.04370	.81783	.988292	
1.25	.77108	.38904660	.5045448	.87811	1.0978430	.5538098	1.04727	.81214	.988968	
1.26	.76826	38389510	.4996948	.87650	1.1045950	.5518604	1.05097	.80656	.985577	
1.27	.76543	.37879020	.4948708	.87489	1.1111100	5498560	1.05480	.80109	.984107	
1.28	.76260	.57373230	.4900737	.87327	1.1177880	.5477987	1.05876	.79572	. 982 558	
1.29	.75978	.36872160	.4853036	.87165	1.1244300	.5456896	1.06285	.79046	.980928	
1.30	.75695	.36375790	.4805605	.87003	1.1310340	.5435301	1.08708	.78530	.979218	
1,31	.75411	.35884250	.4758460	.86840	1.1376010	.5415227	1.07143	.78024	.977429	
1.32	.75128	.35397400	.4711592	.88677	1.1441310	.5390678	1.07591	.77528	. 97 5563	
1,33	.74845	.34915370	.4665011	.8651.5	1.1506240	.5367676	1.08052	.77041	.973616	
1.34	.74562	.344381.20	.4618716	.86349	1.1570810	.5344229	1.08526	.76563	.971591	
1.35	.74279	33965690	.4572716	.86185	1.1635010	.5320362	1.09013	.76094	969488	
1.36	.73996	.33498090	4527012	.86021	1.1698850	.5296085	1.09513	.75634	.967307	
1.37	.73713	.33038300	.4481605	.85856	1.1782320	.5271406	1.10025	.75182	965049	
1.38	.73430	.32577320	.4436497	.85691	1.1825420	.5246346	1.10551	.74738	.962715	
1,39	.73148	.32124150	.4391689	.85526	1.1888160	.5220912	1.11089	.74302	.960308	
1.40	.72865	.31675830	,4547191	.85361	1.1950540	.5195129	1,11641	.73873	.957823	_
1.41	,72583	.31252340	4303001	.851.95	1.2012560	.51.69006	1.12205	.73455	.955266	
1.42	.72301	.30793640	4259118	.85030	1.2074220	.5142551	1,12782	.73040	.952632	
1.43	.72019	.30359750	4215546	.84864	1,2135520	.5115782	1.13372	.72634	.949951	
1.44	.71737	.29930680	.4172290	.84698	1.2196450	.5088712	1.13975	.72235	.9471.56	
1.45	.71455	.29506410	.4129349	.84551	1,8257040	.5061355	1.14591	71843	.944511	
1.46	.71174	.29086890	.4086721	.04365	1.2317260	.5093719	1.15221	.71457	.941399	67
1,47	.70893	.28672180	.4044415	.84198	1,2377130	.5005823	1.15863	.71078	.938419	~
1.40	.70613	.28282210	4002427	.84031	1.2436640	.4977673	1.16518	.70706	.935370	
1.49	.70332	.27856970	3960758	.83864	1.2495800	4949283	1.17186	.70339	.932257	
					•					

TABLE VI. - Continued. SPECIFIC HEAT, 1.38

			•		•					
M	$ exttt{T/T}_{ exttt{t}}$	p/p _t	$ ho/ ho_{ m t}$	a/a_t	$v/a_{ m t}$	$\rho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A*	M^{S}	p_{t_2}/p_{t_1}	69
1.50	.70053	.27456470	.3919412	.83697	1.2554610	.4920667	1,17868	.69979	.929080	
1.51	.69773	27080690	.3878390	83530	1.2613070	.4891838	1.18563	.69625	.925838	
1.52	.69494	.26669560	.3837687	.83363	1.2671170	.4862797	1. 9271	.69276	.922537	
1.53	.69215	.2628315C	.3797314	.83196	1,2728930	.4833572	1.19991	.68934	.919172	
1.54	.68957	.25901350	.3757261	.83028	1.2786340	.4804160	1.20726	.68596	.915750	
1.55	.68659	.25524210	.3717538	.82861	1.2843410	.4774582	1.21474	.68265	.912269	
1.56	.68381	.25151650	.3678138	.82693	1.2900120	4744843	1.22235	.67938	.908752	
1.57	.68105	.24783680	.3639065	.82525	1.2956500	4714953	1.23010	.67617	.905136	
1.58	.67828	.24420240	.3600316	.82358	1.3012530	.4684921	1.23799	.67500	.901490	
1.59	.67552	.24061340	.3561895	.82190	1.3068220	.4654763	1.24601	.66989	.897791	
1.60	.67277	.23706950	.3523802	.82022	1.3123570	.4624486	1.25417	.66683	.894038	
1.61	.67002	.2335701.0	3486032	.81855	1.3178590	4594096	1.26246	.66381	.890236	
1.62	.66727	.23011520	.3448590	.81687	1.3233260	.4563608	1.27090	.66084	.886386	
1.63	.66454	.22670470	.3411478	.81519	1.3287600	.4533034	1.27947	.65791	.882489	
1.64	.66180	,22333780	.3374689	.81351	1,3341610	.4502375	1.28818	.65503	.878545	
1.65		.22001420	.3338221	.81184	1.3395280	.4471640	1.29704	.65220	874558	
1.66	.65908 .65636	.21673400	.5302082	.81016	1.3448620	.4440843	1.30603	.64940	.870524	
1.67	.65364	.21349660	.3266266	.80848	1.3501630	.4409990	1.31517	.64665	.866451	
1,68	.65093	21030170	.3230773	80680	1.3554310	.4379089	1.32445	.64394	.862341	
1.69	.64823	.20714910	.3195605	.80513	1.3606670	.4348151	1.33387	.64126	.8581.87	
1.70	.64554	.20403810	.3160755	.80345	1.3658690	.4317177	1,34344	.63863	.853996	
1.71	.64285	20096880	.3126229	.80178	1.3710400	.4286183	1.35315	.63604	.849769	
	.64017	.19794080	.3092026	.80010	1.3761780	.4255176	1.36302	63548	.845509	
1.72	-	.19495330	.3058138	.79843	1.3812840	.4224154	1.37303	63096	.841213	
1.73 1.74	.63749 .63482	.19200650	.3024572	.79676	1.3863580	.4193137	1.38318	.62848	.836885	
	.63216	.18909960	2991320	.79509	1.3914000	.4162121	1.39349	.62603	.832526	
1.75 1.76	.62951	.18623260	.2958388	.79342	1.3964100	.4131121	1.40395	.62362	828136	
1.77	.62686	18340470	.2925766	.79175	1.4013890	.4100135	1.41456	.62124	.823719	
1.78	.62422	18061590	2893460	79008	1.4063370	.4069177	1,42532	.61.890	.819277	
1.79	.62159	.17786570	2861467	.78841	1.4112530	.4038252	1.45623	.61.658	.814805	
1.80	.61897	.17515380	.2829786	.78674	1.4161380	.4007365	1.44731	.61431	.810311	
1.81	.61635	.17247960	.2798412	.78508	1.4209920	3976519	1.45853	61206	805794	
1.82	.61374	16984290	.2767347	.78342	1.4258160	.3945725	1.46992	60984	.801252	
1.83	.61114	.167243	2736587	.78175	1.4306090	.3914983	1.48146	.60765	.796691	
1.84	.60854	.16468030	.2706133	.78009	1.4353710	.3884302	1.49316	.60550	.792109	
1.85	.60596	.18215380	.2675985	.77843	1.4401030	_3853692	1.50502	.60337	.78751.0	
1.86	.60538	.15966320	.2646138	.77678	1.4448050	.3823151	1.51704	.60127	.782894	
1.87	.60081	.15720800	.2616588	.77512	1.4494770	.3792683	1.52923	.59920	.778260	
1.88	.59825	.15478800	.2587338	.77347	1.4541190	.3762295	1.54158	.59716	.773614	
1.89	.59570	.15240300	.2558389	.77182	1.4587320	.3732001	1.55409	.59514	.768950	크
1.90	.59316	.15005220	.2529731	.77017	1.4633150	,3701790	1.56678	.59515	.764277	NACA
1.91	.59062	.14773550	.2501367	.78852	1.4678680	.3671677	1.57963	.59119	759590	2
1.92	.58809	.14545230	.2473294	.76687	1.4723930	.3641660	1.59265	.58925	.754892	
1.93	.58557	.14320240	.2445512	.76523	1.4768880	.3611746	1.60584	.58734	.750186	NT
	.58306		.2418018	.76358	1.4813550	.3581942	1.61920	.58546	.745471	
1.94 1.95	.58056	.14098540 .13880090	.2390811	.76194	1.4857930	.3552248	1.63274	.58359	.740747	3981
1.98	.57807	.13864840	.2363886	.76031	1.4902020	.5522666	1.64645	.58176	.736019	æ
1.97	.57558	.13452760	.2337244	.75867	1.4945830	3493204	1.66033	.57994	.731284	Н
1.98	.57311	.13243810	.2310881	.75704	1.4989350	,3463859	1.67440	.57815	.726544	
1.99	.57064	.13037970	2284799	.75541	1.5032600	.3434646	1.68864	.57638	.721802	
T. 23	* 21 ADJ	· LUCIO		* LOGAT	**************************************	**********	LIGOUVE			

TABLE VI. - Continued. SPECIFIC HEAT, 1.38

2.00	.5681.8			$\mathtt{a/a}_{\mathrm{t}}$	$ exttt{V/a}_{ exttt{t}}$	$ ho_{ m v}^{ ho_{ m t}}$ a $_{ m t}$	A/A	M ₂ -	$_{^{\mathrm{p}}_{\mathrm{t_2}}/_{^{\mathrm{p}}_{\mathrm{t_1}}}}$
-		.12835160	.2258989	.75378	1.5075570	.3405552	1.70307	.57464	.717054
2.01	.56573	12635390	2255456	.75215	1.5118260	.3376594	1.71767	.57291	.71.2306
2.02	.56329	.12438590	.2208194	.75053	1.5160670	.3347768	1.73246	.57121	.707559
2.03	.56086	.12244740	.2183203	.74891	1.5202810	.3319080	1.74745	.56953	.70281.0
2.04	55844	.12053800	21.58480	.74729	1.5244680	.3290532	1.76260	.56787	.698064
2.05	.55603	11865730	.2134023	.74567	1.5286270	.3262124	1.77795	.56623	.693317
2.06	.55562	.11680500	,2109831	.74406	1.5327600	.3233862	1.79348	.56461	.688573
2.07	.55123	.11498050	2085898	.74245	1.5368660	.3205742	1.80921	.56301	.683834
2.08	.54884	.11318380	.2062228	.74084	1.5409450	.3177778	1.82514	.56143	.679097
2.09	.54647	.11141430	.2038815	.73925	1,5449980	.3149964	1.84125	.55987	.674366
2.10	.54410	.10967160	.2015655	.73763	1.5490250	.3122296	1.85757	.55833	.669 64 1
2.11	.54174	.10795550	.1992751	.73603	1.5530250	.3094789	1.87408	.55681	.664924
2.12	,53939	.10626560	.1970097	.73443	1.5569990	.3087438	1.89079	.55530	.660211
2.13	₂53705	.10460160	.1947694	.73284	1.5609480	.3040246	1.90770	.55381	.655508
2.14	.55472	.10296300	.1925537	.731.25	1.5648710	.3015214	1.92481	.55234	.650813
2.15	.53240	.10134960	.1905625	.72966	1.5687690	.2986345	1.94215	.55089	.646125
2,16	.53009	.09976104	. 1881.957	.72807	1.5726410	.2959640	1 . 959 6 6	.54946	.641448
2.17	.52779	.09819672	.1860525	.72649	1.5764870	.2933093	1.97739	.54804	.636782
2.18	,52550	.09665670	, 1839335	.72491	1.5803090	.2906716	1.99533	.54664	.632127
2.19	,52522	.09514061	.1818384	.72334	1.5841060	.2880511	1.01349	.54526	627484
2,20	.52094	.09364788	.1797665	.72176	1.5878790	.2854473	2.03185	, 54389	.622853
2.21	.51.868	.09217814	.1777176	.72019	1.5916260	.282859 8	2.05044	.54254	.618234
2.22	.51642	.09073147	.1756921	.71863	1.5953500	.2802900	2.08924	.54120	.613629
2.23	.51418	.08950730	.1758895	.71706	1.5990490	.2777378	2.08826	.53988	609039
2.24	.51194	.08790508	.1717089	.71550	1.6027240	.2752016	2.10750	.53857	.604462
2.25	.50972	.08652487	1.69751.0	.71394	1,6063750	.2726835	2.12696	.53728	.599899
2.26	.50750	.08516614	.1678152	.71239	1.6100020	.2701825	2.14865	•53600	.595352
2,27	.50529	.08382875	.1659014	.71084	1.6136050	.2676992	2.16656	.53474	.590822
2,20	50310	.08251216	.1640092	.70929	1.6171860	.2652330	2.18671	53349	.586508
2.29	.50091	.08121644	.1621389	.70775	1.6207420	.2627850	2.20708	.53226	.581810
2.30	.49875	.07994088	.1602896	.70621	1.6242760	.2603542	2.22769	.55104	.577325
2.51	.49656	.07868554	.1584617	.70467	1.6277870	.2579415	2,24852	.52983	.572867
2.52	.49440	.07744974	.1566543	.70314	1.6312740	.2555459	2.26960	.52864	.568422
2.33	.49225	.07623351	.1548678	.70160	1.6347390	.2531,682	2.29092	. 52746	.563996
2.34	.49011	,07503639	.1531016	.70008	1.6381820	.2508079	2.51248	.52629	.559587
2.35	.48798	.07385824	.1513559	.6985 5	1.6416020	.2484659	2,33427	.5251.4	.5551.98
2.36	.48586	.07269875	.1496304	,69703	1.6449990	.2461416	2.35632	.52400	.550830
2.37	.48374	.071,55747	.1479245	. 69552	1.6483750	.2438348	2.37861	.52287	.546482
2.38	.48164	.07043442	.1462586	.69400	1.6517280	,2415462	2.40115	.52175	.5421.52
2.39	.47955	.06932900	.1445718	.692 4 9	1.6550600	.2392748	2.42394	.52065	.537842
2.40	.47746	.06824124	.1429245	.69099	1.6585700	.2370216	2.44698	.51.956	.553565
2.41	.47539	.06717056	.1412960	.68948	1,661,6580	.2347855	2.47028	.51.848	.529287
2.42	.47332	.06611712	.1396868	.68799	1.6649260	.2325679	2.49384	.51.741	.525041
2.43	.47127	.06508036	.1380961	.68649	1.6681710	.2303878	2.51766	.51.685	.520817
2.44	.46922	.06408000	.1365237	.68500	1.6713960	.2281850	2.54174	.51.530	.516614
2.45	.46719	.06305593	.1349697	.68351	1.6746000	.2260201	2.56608	.51427	,512454 600270
2.46	.46516	.06206789	.1334339	.68203	1.6777820	.2238729	2.59070	.51.524	.508276
2.47	.46314	.06109561	.1319160	68054	1.6809450	2217435	2.61558	.51,223	.504140
2.48	.46113	.06013883	.1304157	.67907	1.6840860	.2196311	2.64073	.51125	.500026 .495938
2.49	.45913	.05919731	.1289329	.67759	1.6872080	.2175364	2.86616	.51025	

2.50	M	T/T _t	p/p _t	$ ho/ ho_{ m t}$	a/a_t	v/a _t	$ ho_{ m v}/ ho_{ m t}$ at	A/A _*	M ₂	$\mathtt{p_{t_2}/p_t}_1$
2.51 4531.6 0.0543252 .128598 .67139 1.898450 2.13576 2.71411 5.50828 .487925 2.52 4531.9 0.0544252 1.025894 67519 1.898450 2.035322 2.77068 5.505.5 4.78906 2.554 44028 0.054710.1 221736 67114 1.6994810 2.035322 2.77068 5.505.5 4.78906 2.505.5 4.505.5 4.78906 2.505.5 4.505.5 4.78906 2.505.5 4.	2:50	.45714	.05827094	.1274677	-67612	1.6903090	.2154596	2.69186	.50925	.4 91870
2.52 45319 0.664823 1.85895 .87119 1.684850 2.13576 2.47401 50732 483805 2.55 44725 0.555794 1.221778 .67124 1.6904810 2.0935322 2.47068 5.0656 4.78006 2.55 44735 0.5058623 1.203955 6.68823 1.705120 2055540 2.85460 5.042 4.75835 2.55 444735 0.6586623 1.203955 6.68823 1.705120 2055540 2.85460 5.04440 0.550057 1.171850 0.8594 1.718510 0.205540 2.85460 1.50557 4.471286 2.57 44457 0.5212780 1.178600 85594 1.718450 2.204600 2.055540 2.85460 1.50557 4.471287 2.57 44457 0.5212780 1.178600 85594 1.718450 2.204605 2.85710 1.50505 4.46405 2.58940 0.650723 1.105281 0.65005 1.714450 1.198549 2.95772 5.0525 4.40510 2.5940 0.650723 1.105281 0.65005 1.714405 1.198549 2.95772 5.0525 4.05025 4.65018 2.5940 0.65005 1.105407 0.65005 1.178600 1.198549 2.95772 5.0525 4.05025 4.65018 0.65005 1.178600 1.198549 2.95772 5.0525 4.05025 4.65018 0.45765 0.65005 1.118605 0.65005 1.174520 1.198549 2.95772 5.05273 4.05025 4.65018 0.45765 0.04878405 1.11860 8.65777 1.775270 1.187540		.455],6		.1260196			.2134000			
2.55 44928		.4 5319		.1245883			.2113576			
2.54 444928 0.5471091 1.21758 67028 1.7052120 2075247 2.77749 50542 4.475835 2.55 444373 0.5538623 1.203943 6.68835 1.705140 2.255540 2.28400 50549 4.775875 2.57 444374 0.5213670 1.178600 68594 1.7144030 1.984649 2.67772 50075 446076 2.58 443965 0.65076 1.7144030 1.984649 2.67772 50075 446076 2.59 43965 0.65076 1.1742030 1.9876419 2.89602 60065 45526 2.61 43596 0.460764 1.124401 .66020 1.725230 1.9856522 2.98462 4.9997 452455 2.62 4.32360 0.460245 1.124401 .66020 1.7252530 1.9856522 2.98462 4.9997 445446 2.62 4.32360 0.4602453 1.060240 1.575260 1.981810 3.65224 1.494611 1.252662 2.98525 4.94		451,23					.2093322			
2.58 4.4753 0.5398623 1.203945 6.6833 1.706380 225540 2.8940 5.0449 4.71885 2.56 4.454 0.5301727 1.190291 .66738 1.706480 225556 2.89201 5.00557 447857 2.59 4.4457 0.5218790 1.174690 8.6594 1.7114390 2.104045 2.87972 5.0075 446076 2.59 4.4596 0.6507253 1.1506289 6.6506 1.7114390 1.194491 2.90772 5.0075 450772 2.80 4.85757 0.0479402 1.1173877 6.61163 1.720230 1.157476 2.99832 4.9997 4.52485 2.81 4.3588 0.482455 1.111868 6.6020 1.7212100 1.957476 2.99352 4.9909 4.48881 2.82 4.5388 0.482455 1.111868 6.65755 1.7282890 1.900200 3.08275 4.9909 4.488811 2.83 4.43838 0.440600 1.4274330 1.983480 1.900200										
2.56		.44733					.2053340			
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2.58 4.4155 051.57360 1163487 88450 1.7144030 1994649 2.90772 5.0075 4460.75 2.59 4.3956 0.0567523 1150288 65050 6.7173370 1975449 2.90502 50065 455324 2.80 4.45775 0.4978402 1157887 88163 1.720230 18957476 2.98552 4.9969 448880 2.82 4.3398 0.4980605 1124401 89020 1.7281920 15957476 2.98552 4.9969 448880 2.83 4.3398 0.4982450 1111688 68977 1.728980 1500200 3.05255 4.9735 441158 2.84 4.3398 0.4982450 1111688 68977 1.728980 1500200 3.05255 4.9735 441158 2.84 4.5025 0.4678553 1.068704 65504 1.738680 1.980220 3.05255 4.9735 441158 2.84 4.5025 0.4678553 1.008704 65504 1.738680 1.980220 3.05255 4.9735 441158 2.85 4.2940 0.4678553 1.008704 65504 1.738680 1.980220 3.05255 4.9735 4.9822 2.85 4.2940 0.4678553 1.008208 85311 1.7373770 1.985505 3.1222 4.9567 4.35717 2.86 4.2285 0.4531323 1.008208 65311 1.740540 1.985522 3.14888 4.9483 4.50057 2.87 4.2247 0.44450945 1.156334 65311 1.740540 1.985522 3.14888 4.9483 4.50057 2.89 4.2289 0.4351635 1.038485 65030 1.7488540 1.1782505 3.28589 4.9429 4.9401 4.285810 2.89 4.2299 0.4352555 1.02524 64751 1.7462740 1.174692 3.28579 4.9429										
2.59										
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2.61 .43586 .04900645 .1124401 .68020 .1.7211200 .1297476 2.99352 .49909 .448980 2.62 .43596 .0482450 .1111686 .68577 1.72512900 .1910755 .502875 .49922 .444411 2.63 .43211 .04746456 .10990.21 .85735 1.7282890 .1900200 3.05225 .44735 .441156 2.64 .43025 .04675853 .108704 .65594 1.7346200 .1881810 .060207 .49851 .437424 2.65 .42240 .04602862 .1074455 .65452 1.734620 .1881810 .060207 .49851 .457421 .42251 .42260 .442525 .04501532 .106204 .65171 .17400640 .1827619 3.17468 .49483 .450077 .425501 .25891 .422600 .4425255 .1026744 .66171 .17400640 .127619 .127619 .442600 .422501 .422600 .4425255 .1026744 .66190 .174056540 .174056540										
2,82 43398 .04824550 .1111686 .68877 1.7559800 .1807500 .60275 .49862 .444115 2,85 .4321 .0474695 .1098704 .55594 .1.7316690 .1808200 .60275 .49756 .441156 2,85 .43240 .0460282 .1074435 .55842 1.7544802 .1885383 .1122 .49567 .437712 2,86 .42856 .04531323 .1063398 .85311 1.751717 .1855222 .3.14888 .49493 .450057 2,86 .42256 .0450366 .1050374 .60171 .17400540 .1827619 .3.17548 .49401 .422531 2,86 .42208 .0452555 .105874 .48591 .17428130 .1807619 .3.17548 .49401 .422531 2,70 .43777 .0425562 .103224 .44751 .1748270 .1774892 .28774 .49158 .415560 2,71 .43747 .0425662 .996510 .444751 .1746970 .177								2.98352		
2.65								3.02273		
2.65 4.2940										
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2.68							.1863583			
2.67 .42472 .04460936 .1050324 .650.71 1.7400540 .1227619 3.17346 .49401 .428501 2.69 .42209 .043919 .685030 1.7455540 .1809885 3.20456 .49319 .422748 2.70 .41927 .04265255 .1003224 .64751 1.745540 .1726205 3.25898 .49258 .419145 2.71 .41747 .0469569 .1003801 .64612 1.7576775 3.29822 .49078 .412002 2.72 .41568 .04125666 .0992310 .64475 1.7576770 .353227 .49999 .408471 2.75 .41330 .0401814 .698135 .64355 1.7563730 .1740577 3.35829 .49999 .408471 2.75 .41213 .05996080 .0970322 .64159 1.756350 .1290191 3.43151 .49768 .338022 2.76 .40361 .0597659 .094878 .65922 1.764550 .1677911 3.46529 .49692 .										.450057
2.68 .42298							.1827619		-494 01	
2.68 .42106 .04252555 .1025784 .64990 1.7485540 .1792505 3.2598 .49238 .419145 2.70 .41927 .04256523 .1015224 .64751 1.7482780 .1174697 3.25982 .49076 .412002 2.71 .41568 .04125666 .0902510 .64473 1.755373 3.29892 .49076 .412002 2.72 .41568 .04125666 .0992510 .64473 1.755373 .1740577 3.53225 .49999 .400471 2.75 .41239 .0406114 .0981355 .64197 1.756340 .1725597 3.58449 .48922 .404663 2.75 .41036 .03937168 .059322 1.761350 .1590181 3.4276 .48692 .48692 .984591 2.76 .40160 .03976559 .098045 .55786 1.7665590 .157381 5.48929 .48692 .984591 2.77 .40686 .0330,6524 .0998045 .55786 1.7665590 .157335										
2.70							.1792305			
2.71				1015224	.64751		.1774892			
2.72 4.1568			.04190569	1005801			.1757637	3.29982		
2.75 44139			.04125666		64473		.1740537			
2.74 4.1215 0.5990686 0.970352 6.4197 1.7589900 1.1706812 3.58008 4.8844 4.01.481 2.75 4.1035 0.5957168 0.959439 6.4659 1.7616550 1.599181 3.43151 4.9766 3.580025 2.76 4.0681 0.5976539 0.946878 6.5922 1.7642560 1.673781 3.46529 4.86592 3.54591 2.77 4.0688 0.381.6524 0.938045 6.5766 1.7668590 1.657395 3.49941 4.8817 3.91184 2.78 4.0512 0.5757638 0.927554 6.5849 1.7694480 1.841221 5.55588 4.8545 3.878002 2.79 4.0359 0.3689713 0.9917151 6.5515 1.7721070 1.625207 3.56871 4.8469 3.84442 2.80 4.0167 0.3642713 0.906890 6.3378 1.7745710 1.809339 3.60389 4.8357 3.81109 2.81 3.9996 0.3586833 0.998751 6.5242 1.7771060 1.583625 3.63943 4.8524 3.77800 2.81 3.9996 0.3586833 0.998751 6.5242 1.7771060 1.583625 3.63943 4.8324 3.77800 2.81 3.9996 0.3586833 0.998751 6.5242 1.7771060 1.578053 3.63943 4.8324 3.77800 2.81 3.9996 0.3587189 0.086731 6.5107 1.7796290 1.578053 3.63943 4.8324 3.771288 2.84 3.9947 0.3427742 0.887050 6.2839 1.7846240 1.578053 3.74524 4.8112 3.68024 2.85 3.9319 0.3527128 0.057366 6.62705 1.7870970 1.552252 3.78525 4.8042 3.84813 2.86 3.9152 0.3513490 0.0847836 6.5272 1.7895550 1.517249 3.82284 4.7974 3.561527 2.87 3.8996 0.3268595 0.038388 6.2439 1.791.9970 1.502407 3.66040 4.7905 3.58467 2.88 3.8656 0.326595 0.038388 6.2439 1.791.9970 1.502407 3.66040 4.7905 3.58467 2.89 3.8656 0.326595 0.038388 6.2174 1.7968350 1.487068 3.89854 4.7838 3.55350 2.89 3.8656 0.3169269 0.019858 6.2174 1.7968350 1.475149 3.93707 4.7771 3.52218 2.90 3.8493 0.312.0600 0.010754 6.3004 1.7904200 1.448706 3.89854 4.7639 3.450066 2.91 3.8168 0.0260902 0.784084 6.1649 1.9063270 1.445315 4.05497 4.7573 3.45007 2.95 3.8006 0.2860020 0.784084 6.1649 1.9063270 1.445312 4.09500 4.7505 3.54061 2.96 3.7528 0.2845925 0.758854 6.1599 1.9009800 1.358713 4.17645 4.7559 3.45066 2.97 3.7570 0.2920645 0.796068 6.1599 1.9009800 1.358713 4.17645 4.7559 3.45061 2.99 3.75212 0.026455 0.768028 6.1390 1.1009850 1.358113 4.17645 4.7556 3.328187 2.99 3.75212 0.02760064 0.7741705 6.1000 1.807890 1.358155 4.50158 4.7556 3.328187					.64335					
2.75 .41035					.64197		.1706812	3.39608		
2.78							.1690181			
2.77 .40686 .0381.6524 .0938045 .65786 1.7668590 .1657395 3.49941 .43617 .391184 2.78 .40512 .05757638 .0927534 .65849 1.7694480 .1841221 3.55588 .48543 .387802 2.79 .40339 .03699713 .0917151 .65318 1.777107 .16625207 3.56871 .49469 .384442 2.80 .40167 .03642713 .0906890 .65378 1.7771080 .1563623 3.65314 .49324 .377800 2.81 .39998 .03586633 .0896751 .65242 1.7771080 .1578053 5.67533 .48253 .374517 2.83 .39856 .03477163 .0876835 .68973 1.7821340 .1562634 3.71161 .48162 .371288 2.84 .39497 .03425742 .0867050 .62839 1.7846240 .1547358 5.74824 .48112 .56024 2.85 .39919 .03571188 .625758 .62705 1.7670670 .1552232 3.78525 .48042 3.84813 2.87 .398										
2.78							.1657393			
2.79 .40359 .03899713 .0917151 .63515 1.7720170 .1625207 3.56871 .49469 .384442 2.80 .40167 .05642713 .0906890 .63378 1.7745710 .1609339 3.60389 .46597 .3811.09 2.81 .39996 .03586833 .0896751 .65242 1.7771080 .1593625 3.63943 .48324 .377800 2.82 .39825 .03531449 .0886731 .651.07 1.7796220 .1578053 3.67553 .49253 .374517 2.83 .39656 .03477163 .0876833 .62973 1.7821340 .1562634 3.711.61 .49182 .371.258 2.84 .39497 .03423742 .0887050 .62839 1.7846240 .1547358 3.74424 .49112 .368024 2.85 .39319 .03371188 .0857386 .62705 1.7870970 .1532232 3.78525 .49042 .384813 2.86 .39152 .0351,9490 .0947836 .62572 1.7895550 .1517249 3.82284 .47974 .361627 2.87 .38986 .03268595 .0838588 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.89 .38656 .03169289 .0819858 .62174 1.7968250 1.487708 3.89864 .47838 .355330 2.89 .38493 .05120808 .0810754 .682042 1.7992300 .1443708 3.89364 .47838 .355330 2.90 .38493 .05120808 .0810754 .682042 1.7992300 .1458734 5.97597 .47704 .349131 2.91 .38330 .03073117 .0801767 .61911 1.8016110 .1444455 4.01528 .47639 .346066 2.92 .38188 .03026196 .0792868 .61780 1.80059770 .1430315 4.05497 .47573 .343027 2.93 .38066 .02809028 .0792868 .61890 1.80059770 .1430315 4.05497 .47573 .343027 2.94 .57846 .02934801 .0775405 .61519 1.606630 .1402445 4.13885 .47639 .340011 2.95 .57528 .02848902 .0766828 .61389 1.8109830 .1388713 4.17645 .47582 .334051 2.97 .57570 .02802645 .0749880 .61131 1.8058900 .135115 4.21774 .47519 .3311.06 2.97 .57570 .02802645 .0749880 .61131 1.8058900 .1351515 4.21774 .47519 .3311.06 2.98 .57528 .02848593 .0741705 .61002 1.807890 .135815 4.50188 .47195 .325289					.63849		.1641221			
2.80 .40167 .03642713 .0906890 .63378										
2.81 .39996 .03586633 .0896751 .65242 1.7771080 .1583623 3.63943 .48324 .577800 2.82 .59825 .03531449 .0886751 .651,07 1.7796290 .1578055 3.67553 .48253 .574517 2.83 .39656 .03477163 .0876833 .62973 1.7821340 .1662634 3.71161 .48182 .371258 2.84 .59467 .03425742 .0867050 .62839 1.7846240 .1547358 5.74824 .48112 .568024 2.85 .39319 .03571188 .0857386 .62705 1.7870970 .1532232 3.78525 .48042 .384813 2.86 .59152 .03519490 .0947836 .62572 1.7895550 .1517249 5.82264 .47974 .561627 2.87 .39896 .03266595 .0835838 .62459 1.7919970 .1502407 3.86040 .47905 .358467 2.88 .58821 .03218527 .0829072 .82306 1.7944230 .1487706 3.89854 .47838 .355350 2.89 .38656 .03169289 .0819858 .62174 1.7968350 .1473149 3.93707 .47771 .355228 2.90 .38493 .05120808 .0810754 .62042 1.7992300 .1458734 3.97597 .47704 .549131 2.91 .38530 .03073117 .0801757 .61911 1.8016110 .1444455 4.01528 .47639 .346066 2.92 .38168 .05026196 .0792668 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.95 .38006 .02860026 .0784084 .61649 1.8063270 .1416512 4.09508 .47509 .340011 2.94 .37846 .02934801 .0775405 .61519 1.806650 .1402445 4.13585 .47445 .337019 2.95 .37686 .0288902 .0766828 .61389 1.8109830 .1368713 4.17645 .47319 .33106 2.97 .37370 .02802645 .074989 .61131 1.8105810 .136849 4.25945 .47556 .328187 2.99 .375212 .02760064 .0741705 .61002 1.8178590 .1348315 4.30158 .47195 .325289							.1609339			
2.82 .59825 .03531449 .0886751 .65107 1.7796290 .1578053 5.67535 .49253 .574517 2.83 .39656 .03477163 .0876935 .62973 1.7821340 .1662634 3.71161 .48182 .371258 2.84 .59487 .03427742 .0867050 .62839 1.7846240 .1547358 5.74824 .48112 .568024 2.85 .39319 .03371188 .0857386 .62705 1.7870970 .1532232 3.78525 .48042 .384813 2.86 .58152 .03519490 .0947836 .62572 1.7895550 .1517249 5.82264 .47974 .561627 2.87 .38986 .03268595 .0838598 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.88 .58821 .05216527 .0829072 .82306 1.7944230 .1487706 3.89884 .47838 .355330 2.89 .38656 .03169269 .0819858 .62174 1.7988350 .1473149 3.93707 .47771 .352218 2.90 .38493 .03120608 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .349131 2.91 .38330 .03073117 .0801767 .61911 1.8016110 .1444455 4.01528 .47639 .346066 2.92 .38168 .03026196 .0792868 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.95 .38066 .02980028 .0784084 .61649 1.8063270 .1416512 4.09508 .47509 .340011 2.94 .57846 .02934801 .0775405 .61519 1.8086630 .1402445 4.13855 .47445 .337019 2.95 .57686 .02889802 .07660828 .61389 1.8109850 .1388713 4.17645 .47519 .331106 2.96 .57528 .02845923 .0758354 .61260 1.8132900 .135115 4.21774 .47519 .331106 2.97 .57570 .02802845 .074980 .61131 1.8158810 .1361649 4.25945 .47556 .328187 2.98 .57212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		.39996		.0896751			.1593623	3.63943		
2.83 .39656 .03477163 .0876833 .62973 1.7821340 .1562634 3.71161 .48182 .371258 2.84 .59467 .03425742 .0887050 .62839 1.7846240 .1547358 5.74824 .48112 .368024 2.85 .39319 .03371188 .0857386 .62705 1.7870970 .1532232 3.78525 .48042 .384813 2.86 .39152 .03319490 .0947836 .62572 1.7895550 .1517249 5.82264 .47974 .361627 2.87 .38986 .03268535 .0838588 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.88 .38821 .03218527 .0829072 .62306 1.7944230 .1487706 3.89854 .47838 .355330 2.89 .38856 .03169269 .0819858 .62174 1.7988350 .1473149 3.93707 .47771 .352218 2.90 .38493 .03102608 .0810754 .62042 1.7992300 .1458734 5.93707 .47774 .349131 2.91 .38330 .03073117 .0801757 .61911 1.8018110 .1444455 4.01528 .47639 .346066 2.92 .38188 .030261.96 .0792868 .61780 1.8058770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02980026 .0784084 .61649 1.8058770 .1430315 4.05497 .47573 .343027 2.95 .37686 .02889902 .0768828 .61389 1.8068630 .1402445 4.13855 .47445 .33701.9 2.95 .37686 .02889902 .0768028 .61589 1.8103800 .1361649 4.21774 .47319 .331106 2.97 .37570 .02802645 .0743980 .61131 1.8058810 .1361649 4.23745 .47256 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348315 4.30158 .47195 .325289		-39825					.1578053	3.67533		
2.84 .59497 .0342742 .0867050 .62859 1.7846240 .1547358 5.74824 .48112 .568024 2.85 .39319 .03371188 .0857386 .62705 1.7870970 .1532232 3.78525 .48042 .384813 2.86 .59152 .03519490 .0947836 .62572 1.7895550 .1517249 3.82264 .47974 .561.627 2.87 .38966 .03268595 .0838588 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.88 .58821 .03218527 .0829072 .62306 1.7944230 .1487708 3.89854 .47838 .355330 2.89 .38656 .051.69289 .0819858 .62174 1.7968350 .1473149 3.93707 .47771 .355218 2.90 .38493 .051.20608 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .549131 2.91 .38330 .03073117 .0801757 .61911 1.9016110 .1444455 4.01528 .47639 .346066 2.92 .38168 .03026196 .0792868 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02980028 .0784084 .61649 1.9063270 .1416312 4.09508 .47509 .340011 2.94 .57846 .02934801 .0775405 .61519 1.8068650 .1402445 4.13585 .47445 .337019 2.95 .57686 .02898902 .0766828 .61389 1.8109830 .1388713 4.17645 .47382 .334061 2.96 .57528 .02845923 .0768828 .61389 1.8109830 .1388713 4.17645 .47382 .334051 2.97 .57570 .02802645 .0749980 .61131 1.8058810 .1361649 4.25945 .47256 .328187 2.98 .57212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		.39656		.0876833						
2.85 .39319 .03571188 .0857386 .62705 1.7870970 .1532232 3.78525 .48042 .384813 2.86 .39152 .03519490 .0847836 .62572 1.7895550 .1517249 3.82264 .47974 .561627 2.87 .38986 .03268595 .0838398 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.89 .38656 .03169289 .0819858 .62174 1.7948350 .1473149 3.89854 .47838 .355330 2.90 .38493 .03169289 .0819754 .62042 1.7992300 .1458734 5.97597 .47704 .549131 2.91 .38330 .03073117 .0801757 .61911 1.8016110 .1444455 4.01528 .47639 .546066 2.92 .38168 .03026196 .0792868 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02860028 .0784084 .61649 1.8063270 .1416512 4.09508 .47509 .340011 2.94 .37	2.84	.39487	-03423742	.0867050			.1547358			
2.88 .59152 .03519480 .0847836 .62572 1.7895550 .1517249 5.92264 .47974 .561627 2.87 .38986 .03268595 .0838588 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.88 .38871 .03218527 .0829072 .82308 1.7944230 .1487708 3.89854 .47838 .355330 2.89 .38656 .03169289 .0819858 .62174 1.7968350 .1473149 3.93707 .47771 .352218 2.90 .38493 .03120808 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .549131 2.91 .38330 .03073117 .0801757 .61911 1.8016110 .1444555 4.01528 .47639 .546066 2.92 .38168 .03026196 .0792868 .61780 1.8063270 .1416312 4.05497 .47573 .343027 2.93 .37846 .02934801 .0775405 .61519 1.8066630 .1402445 4.13655 .47445 .337019 2.96 .37		.39319		.0857386			.1532232			
2.87 .38986 .03268595 .0838598 .62439 1.7919970 .1502407 3.86040 .47905 .358467 2.88 .58821 .03218527 .0829072 .62306 1.7944230 .1487706 3.89854 .47838 .355330 2.89 .38656 .03169269 .0819858 .62174 1.7968350 .1473149 3.93707 .47771 .552218 2.90 .38493 .05120808 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .349131 2.91 .38330 .03075117 .0801767 .61911 1.8016110 .144455 4.01528 .47639 .546066 2.92 .38168 .03026196 .0792868 .61780 1.8059770 .1430515 4.05497 .47573 .343027 2.93 .38006 .02980028 .0784084 .61649 1.8063270 .1416512 4.09508 .47509 .340011 2.94 .37686 .029848902 .0766828 .61389 1.8109850 .1388713 4.13655 4.7445 .334051 2.96 .37							.1517249			
2.88 .58821 .03216527 .0829072 .62306 1.7944230 .1487706 3.89854 .47838 .355330 2.89 .38656 .03169269 .0819858 .62174 1.7968350 .1473149 3.93707 .47771 .552218 2.90 .38493 .03120608 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .349131 2.91 .38330 .03073117 .0801767 .61911 1.8016110 .1444455 4.01528 .47639 .346066 2.92 .38168 .03026196 .0792668 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02980026 .0784084 .61649 1.80683270 .1416512 4.09508 .47509 .340011 2.94 .37846 .02934801 .0775405 .61519 1.8066650 .1402445 4.13855 .47445 .337019 2.95 .37686 .02889902 .0766828 .61389 1.8109850 .1388713 4.17645 4.7352 .334051 2.96 .3	2.87	.38986		.0838398			.1502407		.47905	
2.89 .38656 .03169269 .0819858 .62174 1.7968350 .1473149 3.93707 .47771 .552218 2.90 .38493 .05120808 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .549131 2.91 .38330 .03073117 .0801767 .61911 1.8016110 .144455 4.01528 .47639 .546066 2.92 .38168 .03026196 .0792668 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02980026 .0794084 .61649 1.80683270 .1416512 4.09508 .47509 .340011 2.94 .37846 .02934801 .0775405 .61519 1.8086650 .1402445 4.13855 .47445 .337019 2.95 .37686 .02889802 .0768828 .61389 1.8109850 .1388713 4.17645 .47382 .334051 2.96 .37528 .02845923 .0758354 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .37		-38821		.0829072					.4 7838	.355330
2.90 .38493 .051,20608 .0810754 .62042 1.7992300 .1458734 5.97597 .47704 .549131 2.91 .38330 .03073117 .0801767 .61911 1.8016110 .144455 4.01528 .47639 .546066 2.92 .38168 .03026196 .0792668 .61780 1.6059770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02980026 .0764084 .61649 1.8063270 .1416512 4.09508 .47509 .340011 2.94 .37846 .02934801 .0775405 .61519 1.806650 .1402445 4.13855 .47445 .337019 2.95 .37686 .02889802 .0766828 .61389 1.8109850 .1387135 4.17645 .47382 .334051 2.96 .37528 .02845923 .0758364 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .37370 .02802645 .074980 .61131 1.815860 .136649 4.25945 .47256 .328187 2.98 .37212<		.38656					.1473149			
2.91 .38330 .03073117 .0801757 .61911 1.8016110 .1444455 4.01528 .47639 .546066 2.92 .38168 .03026196 .0792868 .61780 1.8059770 .1430315 4.05497 .47573 .343027 2.93 .38006 .02880026 .0784084 .61649 1.8063270 .1416312 4.09508 .47509 .540011 2.94 .37846 .02934601 .0775405 .61519 1.8068650 .1402445 4.13585 .47445 .337019 2.95 .37686 .02889902 .0766828 .61389 1.8109850 .1388713 4.17645 .47382 .334051 2.96 .37528 .02845923 .0758384 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .37370 .02802645 .0749880 .61131 1.8158810 .1361649 4.25945 .47356 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		.38493		.0810754					.47704	
2.92 .38168 .03026196 .0792868 .61780 1.8039770 .1430315 4.05497 .47573 .343027 2.95 .38006 .02980028 .0784084 .61649 1.8063270 .1416312 4.09508 .47509 .340011 2.94 .37846 .02934801 .0775405 .61519 1.8068650 .1402445 4.13855 .47445 .337019 2.95 .37686 .02889902 .0766828 .61899 1.8109850 .138713 4.17645 .47382 .334051 2.96 .37528 .02845923 .0758354 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .37370 .02802645 .074980 .61131 1.815810 .1361649 4.25945 .47266 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		38330		.0801757		1.8016110		4.01528	.4 7639	.346066
2.94 .37846 .02934801 .0775405 .61519 1.8086650 .1402445 4.13855 .47445 .337019 2.95 .37686 .02889902 .0766828 .61389 1.8109850 .1388713 4.17645 .47382 .334051 2.96 .37528 .02845923 .0758354 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .37370 .02802645 .074980 .61131 1.8158810 .1361649 4.25945 .47256 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348315 4.30158 .47195 .325289	2.92	.38168					.1430315		.47573	
2.94 .37846 .02934801 .0775405 .61519 1.8086650 .1402445 4.13855 .47445 .337019 2.95 .37686 .02889902 .0766828 .61389 1.8109850 .1388713 4.17645 .47382 .334051 2.96 .37528 .02845923 .0758354 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .37370 .02802645 .074980 .61131 1.8158810 .1361649 4.25945 .47256 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348315 4.30158 .47195 .325289		-38006		.0784084				4.09508	.47509	.34003.1
2.95 .57686 .02889902 .0766828 .61389 1.8109850 .1388713 4.17645 .47382 .334051 2.96 .57528 .02845923 .0758354 .61260 1.8132900 .1375115 4.21774 .47319 .331106 2.97 .57370 .02802645 .0749980 .61131 1.8158810 .1361649 4.25945 .47256 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		.37846						4.1,3555		
2.96 .37528 .02845923 .0758354 .61260 1.8132900 .1375115 4.21774 .47519 .331106 2.97 .37370 .02802645 .0749980 .61131 1.8155810 .1361649 4.25945 .47256 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		.37686								
2.97 .37370 .02802645 .0749880 .6131 1.8155810 .1361649 4.25945 .47256 .328187 2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .47195 .325289		.37528								.331106
2.98 .37212 .02760064 .0741705 .61002 1.8178590 .1348515 4.30158 .471.95 .325289		.37370						4.25945	.47256	.3281.87
		.37212						4.30158	.471.95	.325289
6989 -4.444 POLITOTOL PALITHON POLITY TOCHTORO STRUMENT TOTAL POLITY PRINTED SQUARE	2.99	-37056	.02718167	.0733530	80874	1.8201220	.1335113	4.34412	.471.34	.322416

						,	•			
M	$^{\mathrm{T/T}}_{\mathrm{t}}$	p/p_{t}	p/p _t	$a/a_{ m t}$	v/a_t	$ ho_{ m v}^{ ho_{ m t}}$ $ m a_{ m t}$	A/A	M ₂	$\mathbf{p_{t_2}/p_{t_1}}$	NACA
3.00	.36900	.02676943	.0725451	.60746	1,8223700	.1322041	4.38707	.47073	.319566	្តិ
3.01	.36746	.02636374	.0717468	.60618	1.8246050	.1309095	4.43046	47013	.316739	
3.02	.36591	.02596456	.0709579	60491	1.8268250	.1296277	4.47426	.46953	.313935	Ę
3.03	.36438	.02557178	.0701784	.60364	1.8290520	.1283586	4.51850	.46894	.51,11,54	
3,04	.36286	02518529	.0694082	60238	1.8312240	.1271020	4,5631.8	.46836	.308395	3981
3.05	.36134	.02480499	.0686472	.60112	1.8354030	1258579	4.60829	.46778	.305661	ထ္ထ
3,06	.35983	.02443071	.0678950	.59986	1.8355690	.1246259	4.65383	46720	.302948	ä
3.07	.35833	.02406246	.0671518	459861	1,8377200	.1234063	4.69982	46663	.300258	
3.08	.35684	.02370009	.0664175	59736	1.8398590	1221988	4.74626	46607	.297592	
5.09	.35535	.02334350	.0656918	.59611	1.8419830	1210032	4.79316	.46551	.294948	
3.10	.35387	02299265	.0649749	59487	1.8440950	.1198199	4.84050	.46495	.292326	
3.11	.35240	.02264734	.0642663	.59363	1.8461940	.1186480	4.88831	.46440	.289724	
5.12	35093	02230756	.0635662	.59240	1.8482790	.1174880	4.93657	.46388	.287145	
3.15	.34948	.02197319	.0628743	.59117	1.8503510	.1163395	4.98530	.46332	•284589	
3.14	34803	.02164413	.0621.906	.58994	1.8524110	.1152025	5.03450	.46278	262054	
3.15	34659	02152034	.0615150	.58872	1.8544580	.1140770	5.08418	.46225	.279541	
3.16	34515	.02100168	.0608474	.58750	1,8564920	.1129627	5.13433	46172	.277047	
3.17	.34373	02068815	.0601878	.58628	1.8585130	1118597	5,18497	.46120	.274579	
3,18	54231	.02037948	0595357	.58507	1.8605220	.1107675	5.23608	.46068	272128	
3,19	.34089	02007581	0588915	.58386	1.8625190	1096866	5.28468	46017	,269701	
3,20	.53949	.01977690	.0582548	58266	1.8645030	1086163	5.33978	.45966	,267294	
3.21	.33809	.01948279	.0576258	.58146	1.8664750	1075570	5,39237	45916	,264908	
3,22	.33670	.01919333	0570041	.58026	1,8684350	.1065084	5.44547	.45865	262542	
3.23	.33532	01890842	.0583896	.57907	1.8703830	1054702	5,49906	45816	.260197	
3.24	.33394	.01862808	.0657826	.57788	1.8723180	.1044428	5.55317	.45767	.257874	
3,25	33257	.01835212	.0551.825	.57669	1.8742420	1034253	5,60779	.45718	.255568	
3,26	.33121	.01808053	.0545895	.57551	1.8761540	1024183	5.66292	45669	. 253285	
3.27	.32985	.01781329	.0540036	.57433	1.8780550	.1014218	5.71857	.45821	.251021	
3.28	32850	.01755025	.0534246	.57315	1.8799430	.1004352	5.77475	45574	.248777	
3,29	.32716	.01729132	.0528523	.57198	1.8818200	.0994584	5.83146	.45526	246553	
5.30	.32585	.01703653	.0522668	.57081	1.8836860	.0984919	5 ,6 8888	.45479	.244349	
3.31	.32450	.01678573	.0517279	.56965	1.8855400	.0975349	5.94645	.45433	.242163	
3,32	.32318	01.655888	.0511,755	.56849	1,8873830	.0965877	6.00477	.45387	.239999	
3,33	.32187	.01629593	.0606296	.56733	1,8892140	.0956503	6.06363	.45341	237853	
3,34	.32056	.01605681	.0500902	.56618	1.8910350	.0947223	6.12303	.45296	.235726 .	
3.35	.51,926	.01582144	,0495571	256503	1.8928440	.0938038	6.18299	.45251	.233615	
3,36	.31796	.01558975	.0490301	.56388	1.8946430	.0928945	6.24349	.45206	.231528	
3.37	.31668	.01536173	.0485094	.56274	1.8964300	.0919947	6.30458	.45162	.229456	
3.38	.31539	.01513726	.0479947	.56160	1.8982070	.0911039	6.38622	.451,18	,227403	
5,39	.31412	.01491634	.0474861	.56046	1.8899750	,0902223	6,42842	.45074	,225569	
3,40	.3128 5	.01469885	.0469834	.55933	1.9017280	.0893496	6.49122	.45031	.223355	
3,41	.31159	.01448479	.0464866	.55820	1.9034720	.0884859	6,55458	.44988	.221357	
3,42	.31034	.01427405	.0459955	.55708	1,9052060	.0876309	6.61052	.44946	.219377	
5,4 3	.30909	.01406664	.0455102	.55596	1.9069300	.0867848	6,68507	.44904	.217416	
3,44	.30785	.01386246	.0450306	.55484	1.9086450	0859473	6.74818	.44862	.215472	
3,45	.30661	.01366144	.0445564	.55372	1.9103460	.0851182	6,81390	.44820	.213546	
3,46	.30538	.01346358	.0440879	.55261	1.9120390	.0842977	6,88023	.44779	.211639	7
3,47	.30416	.01326879	.0436247	.55150	1.9137210	.0834856	6.94716	.44738	.209747	•
3.48	.30294	.01307704	.0431670	.55040	1.9153940	.0826817	7.01469	.44698	.207872	
3.49	.30175	.01288829	.0427146	.54930	1,9170560	.0818863	7.08286	. 44 657	.206014	

TABLE VI. - Continued. SPECIFIC HEAT, 1.38

M	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	$ ho/ ho_{ m t}$	a/a_t	⊽/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _*	M ₂	$_{^{\mathrm{p}_{\mathrm{t}_{2}}}/_{\mathrm{p}_{\mathrm{t}_{1}}}}$	72
3.50	.30053	.01270244	.0422673	,54820	1.9187080	.0810987	7.15161	.44618	.204175	
3,51	.29933	.01251.951	.0418254	.54711	1.9203510	.0803194	7,22103	44578	.202351	
3.52	.29814	.01233937	0413884	54602	1,9219840	.0795478	7.29104	44539	200543	
3.53	.29695	.01216206	.0409566	.5449 3	1.9236070	.0787843	7,36170	.44500	.198754	
3.54	.29577	.01198751	.0405298	.54385	1,9252200	.0780288	7.43299	.44461	.196981	
3,55	.29460	.01181564	.0401079	.54277	1.9268240	.0772808	7.50493	44423	.195222	
3.56	.29343	.01164644	0398909	.54169	1.9284180	0765406	7.57752	.44584	193480	
3,57	,29227	.01147985	.0392786	.54062	1.9300030	.0758079	7.65075	.44347	.191755	
3,58	.29111	.01131583	.0388712	•53955	1.9315780	.0750827	7.72464	.44509	.190045	
3.59	.28996	.01115435	.0384684	.53848	1.9551450	0743650	7.79921	.44272	.188351	
5,60	.28882	.01099536	.0380703	.55742	1.9347010	.0736546	7.87442	.44235	.186872	
3.61	.28768	.01083880	.0376767	.53636	1.9362490	.0729515	7.95032	44198	185009	
3,62	.28655	.01068467	.0372877	53530	1.9377870	.0722556	8.02688	44162	.183362	
3.63	.28542	.01053288	.0569031	.53425	1,9393180	.0715668	8.10413	.44126	.181729	
3.64	.28430	.01038346	.0365230	.53320	1.9408370	.0708852	8.18206	.44090	.180112	
3.65	.2831.8	.01023631	.0361472	.5321 5	1.9423480	,0702104	8.26071	44054	. 1.78510	
3,68	.28207	.01009142	.0357757	.53111	1.9438510	.0695426	8.34002	.44019	.176922	
3,67	.28097	.00994876	.0354085	•53007	1.9453440	.0688818	8.42006	43984	.175349	
3.68	.27987	.00980826	.0350455	.52903	1,9468300	.0682275	8.50079	43949	.173790	
5.69	.27878	.00966992	.0346866	•52800	1.9483060	,0675801	8.58222	.45915	.172246	
3.70	.27769	.00953371	.034331.8	.52697	1,9497730	.0669393	8.66438	43880	.170717	
3.71	.27661	,00939957	.0339811	.52594	1.9512530	.0663050	8,74726	.43846	.169201	
3.72	.27554	.00926746	.0336344	.52491	1.9526830	.0656773	8.85088	.4381.3	. 167701	
3.73	.27447	.00913758	.0332916	.52389	1.9541250	.0650560	6.91522	.43779	.166213	
3.74	.27340	.00900926	.0329527	.52288	1.9555590	.0644408	9.00029	.45746	.184740	
3.75	.27234	.00888311	.0326177	. 52186	1.9569840	.0538322	9.08613	,4 371.3	.163279	
3.76	.27129	.00875887	.0322864	.52085	1.9584010	.0632298	9.17270	.43680	.161834	
3.77	27024	.00863650	.0319590	.51984	1.9598100	0626335	9.26001	.43648	.160401	
3.78	,26919	.00851601	.0316352	51884	1.9612110	.0620433	9.34810	.4 3615	.158981	
3.79	,26816	.00839733	.0313151	.51784	1.9626030	.0614592	9.43695	.43583	.157575	
3.80	.26712	00828045	,0309987	.51684	1,9639880	,0608811	9.52657	.43 551	.156182	
3.81	26609	.0081.6533	.0306858	.51584	1.9653850	.0603088	9.61696	.43520	.154802	
3.82	.26507	.00805197	.0303765	.51485	1.9667330	.0597425	.9.70813	.4 5488	.153434	
3.83	.26405	.00794030	.0300706	.51386	1,9680940	.0591818	9.80009	. 43457	.152080	
3,84	26304	.00783031	0297682	.51288	1.9694470	.0586269	.9.89283	.434 26	.150738	
3.85	.26204	.00772198	.0294692	.51189	1,9707920	.0580777	9.98638	.43396	.149409	
3.86	.26103	.00761530	.0291736	.51091	1.9721300	.0575342	10.08075	.43 365	.148092	
3.87	.26004	.00751021	.0288813	.50994	1,9734600	.0569962	10.17590	.43335	.146787	
3.88	.25904	.00740670	.0285924	.50896	1,9747820	,0564637	10,27189	.4 3305	.145496	
3.89	.25806	.00730474	.0283066	.50799	1.9760970	.0559366	10.36868	.43275	.144215	¥
3.90	.25708	.00720430	.0280240	.50703	1.9774040	.0554148	10,46631	.43245	.142947	NACA
3,91	.25610	.0071.0537	.0277446	.50606	1.9787040	.0548984	10.56475	.43216	.141690	
3.92	25513	.00700792	.0274683	.50510	1.9799960	.0543872	10.68404	.43187	.140446	NIL
3.93	,25416	.00691192	.0271952	.50414	1.9612810	.053881.5	10.76417	.43158	.139213	
3.94 3.95	.25320 .25224	.00681756	.0269250	.50319	1.9825580	.0533805	10.86515	.43129	.137991	ĊN
3.96	.25224	,00672420	.0266579	.50224	1.9838290	.0528848	10,96700	.431.00	.136781	3981
3.97	.25034	.00653245 .00654205	.0263939	.50129	1,9850920	.0523942	11.06970	.43072	.135583	<u>1</u> 2
3.98	.24940	.00645299	.0261327	.50034	1.9863490	.0519086	11.17325	.43044	.134394	-
3.99	.24940 .24846	.00636526	.0258744	.49940	1.9875970	.0514279	11.27768	.43016	.133218	
3.35	*540#O	,00030320	.02561.90	.49846	1,9888390	.0509521	11.38301	.42988	.132054	

TABLE	VI.	_	Continued.	SPECIFIC	HRAT.	1	.38

			44 (43.44)	12 00	MCTHREA.	SERVICIE TO HERE	, T'20		
M	T/T _t	p/p_t	$ ho/ ho_{ m t}$	a/a_t	$v/a_{\rm t}$	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _*	M_2	$p_{\mathrm{t}_2}/p_{\mathrm{t}_1}$
4.00	.24752	.00627882	.0253664	.49752	1.9900740	.0504811	11.48921	.429 60	.130899
4.01	.24660	.00619367	.0251167	.496 58	1.9913020	.0500149	11.59628	-42933	129755
4.02	.24567	.0061.0977	.0248697	.49565	1.9925230	.0495534	11.70429	.42906	128623
4.03	.24475	.00802712	.0246254	.49472	1.9937380	.0490967	11.81319	-42879	127500
4.04	.24384	.00594570	.0243839	.49380	1.9949450	.0486446	11.92298	-42852	.126388
4.05	.24293	.00586546	.0241450	49288	1.9961460	.0481969	12.05569	.42825	.125287
4.06	.24202	.00578641	.0239088	49196	1.9973400	.0477539	12.14532	·42799	124196
4.07	.24112	.00570853	.0236752	.49104	1.9985270	-0473154	12.25788	.42772	.123116
4.08	24022	.00563178	0234441	.49012	1.9997080	.046881.3	12.37140	42746	.122045
4.09	.23933	00555617	.0252156	48921	2.0008820	.0464516	12.48584	.42720	.120984
4.10	23844	.00548167	.0229896	.48830	2.0020490	.0460263	12.60124	42694	.119934
4.11	.23756	.00540826	.0227661	.48740	2.0032110	.0456053	12.71754	.42669	.118893
4.12	23668	.00533593	.0225450	48650	2.0043660	.0451.884	12.83485	·42643	.117882
4.13	23580	.00526465	.0223264	.48560	2.0055140	.0447759	12.95314	42618	.116841
4.14	23493	.00519442	.0221102	.48470	2.0066560	.0443675	13,07235	·42593	.115828
4.15	.23407	.0051,2520	.021,8963	.48381	2.0077910	,0439631	13.19258	.42568	.114826
4.18	.23321,	.00505701	0216848	.48291	2.0089210	.0435630	13.31379	.42543	-11.5853
4.17	23235	00498980	.021.4755	48202	2.0100430	.0431668	13.43600	4251.9	.11.2850
4.18	.23149	.00492357	.021.2686	.48114	2.0111610	.0427746	13.55919	42494	.111,875
4.19	-23055	.00485830	.0210639	48026	2.0122710	.0423863	13.68340	.42470	.110910
4.20	.22980	.00479398	0208615	.47958	2.0133750	.0420020	13.80860	.42446	.109954
4.21	22896	.00473059	.0208612	.47850	2.0144740	.0416215	13.93484	42422	.109007
4.22	.22812	.00466812	.0204632	47762	2.0155670	.0412448	14.06208	.42398	.108068
4.23	.22729	.00460655	.0202672	.47675	2.0166530	.0408719	14.19037	.42375	.107139
4.24	.22646	.00454587	.0200734	.47588	2.0177340	.0405028	14.31971	42351	.106217
4.25	.22564	.00448607	.0198817	.47501	2.0188090	.0401373	14.45007	.42328	.105305
4.26	.22482	.00442714	.0196921	47415	2.01,98780	.0397756	14.58151	42305	.104401
4.27	.22400	.00436904	0195045	.47329	2,0209410	.0394174	14.71398	.42282	.103506
4.28	.22319	.00431179	.0193190	.47243	2.0219980	.0390629	14.84757	.4 2259	.102619
4.29	.22238	.00425537	.0191354	.47157	2,0230490	.0387119	14.98217	.42236	.101741
4.30	-22158	.00419975	.01,89539	.47072	2.0240960	.0383844	15.11787	.42214	.100870
4.51	.22078	.00414492	.0187742	46987	2.0251350	.0380204	15.25467	.42191	.100007
4.32	.21,998	.00409088	0185966	46902	2.0261700	.03767 9 8	15.39257	.421,69	.0991.53
4.33	.21919	.00403782	.0184208	46618	2,0271990	.0373426	15 .53156	.421.47	.098307
4.34	.21840	.00398512	.0182469	.46733	2.0282250	.0370088	15.67167	.421.25	.097469
4.35	.21761	.00393335	.0180748	.46649	2,0292400	.0366782	15.81287	.421 ,03	.096638
4.36	.21683	.00388233	.0179046	.46565	2.0302530	.0363510	15.95521	.4208I	.095815
4.37	.21606	.00383205	.0177363	.46482	2.0312600	.0360270	16.09869	.42060	•095000
4.38	.21528	.00378248	.0175698	.46399	2.0322610	.0357064	16.24332	·42038	.0941.93
4.39	.21451	.00373361	0174050	.46316	2.0332580	.0353888	16.38904	.42017	.093393
4.40	.21,375	.00368544	.017247.9	.46233	2.0342480	.0350744	16.53596	.41 996	.092600
4.41	.21299	.00363793	.0170806	.46 150	2.0352340	.0347630	16.68405	·41,975	.091. 61. 5
4.42	.21223	.00359112	.01.69211	46068	2.0362140	.0344549	16.83324	.41,954	-091.037
4.43	.21147	.00354496	.0167632	.45986	2.0371900	.0341,497	16.98370	·41.933	.090286
4.44	.21072	.00349946	.0166070	.45904	2.0381590	.0338477	17.15527	•41,91.3	.089503
4.45	20997	.00345459	.01.64524	45823	2.0391240	.0335485	17.28805	· 4 1892	.088746
4.46	.20923	.00341037	.01.62995	.45742	2.0400840	.0332524	17.44203	·41872	.087997
4.47	20849	.00336676	.0161482	45661	2.0410380	.0329591	17 . 597 19	.41851	.087255
4.48	.20775	.00332376	.0159985	45580	2.041,9880	.0326688	17.75362	·41831	.086519
4.49	.20702	.00328138	.0158504	.45500	2.0429320	.0323813	17.91124	· 4 1811	. 08579 <u>1</u>

							•			
M	$^{\mathrm{T/T}_{\mathrm{t}}}$	p/p_{t}	ρ/ρ _t	a/a_t	V/a _t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A _¥	$^{\rm M}2$	$\mathbf{p_{t_2}/p_{t_1}}$	- F
4.50	.20629	.00523958	.0157038	.45419	2.0438720	.0320966	18,07006	.41792	.085069	
4.51	.20557	.00319837	.0155588	. 45339	2.0448060	.0318148	18.23016	.41772	.084354	
4.52	,20484	.00315773	.0154153	.45260	2.0457360	.0315357	18.39147	.41752	.083645	
4.53	.20412	.00311767	.01.52734	.45180	2.0466600	.0312594	18.55406	.41733	-0829 4 3	
4.54	.20341	.00307817	.0151329	.451.01	2.0475800	.0309858	18.71786	.41713	.082248	
4.55	.20270	.00303921	.0149938	.45022	2.0484950	.0307148	18,88298	41694	.0815 58	
4,56	20199	.00300079	.0148563	.44943	2.0494050	.0304465	19.04935	.41675	. 080876	
4.57	.20128	.00296292	.0147202	.44 865	2.0503100	.0301809	19.21701	41656	. 080199	
4.58	.20058	.00292557	.0145855	.44788	2.0512110	.0299179	19.38597	.41637	.079529	
4.59	.19988	.00288874	.0144522	.447 08	2.0521070	.0296574	19.55624	.41618	.078865	
4.60	.19919	.00285242	.0143203	-44 630	2.0529980	.0293996	19.72778	.41600	.078208	
4.61	.19850	.00281660	.0141897	44553	2.0538850	.0291441	19.90064	.41581	.077556	
4.62	.19781	.00278128	.0140606	44475	2.0547680	.0288912	20.07488	.41563	.076911	
4.63	.19712	.00274645	.0139328	.44398	2.0556450	.0286408	20.25037	.41544	,076271	
4.64	.19644	.00271210	.0138063	.44322	2.0565180	.0283928	20.42725	.41526	.075637	
4.65	.19576	.00267822	.0136811	.44245	2.0573860	.0281473	20.60549	.41508	.075009	
4.66	19509	.00264481	.0135572	.44168	2.0582500	.0279041	20.78505	.41490	.074387	
4.67	.19441	.002611.85	.0134346	.44092	2.0591090	.0276633	20.96598	.41472	.073770	
4.68	.19374	.00267935	.0153132	.44016	2,0599650	.0274248	21.14829	.41454	.073159	
4.69	.19508	.00254730	.0131931	43941	2.0608150	.0271886	21.33198	.41437	.072554	
4.70	.19242	.00251569	.0130743	.43865	2.0616610	.0269547	21.51706	.41419	.071955	
4.71	.19176	.00248451	.0129567	43790	2.0625030	.0267232	21.70357	.41402	.071361	
4.72	.19110	.00245376	.0128403	.43715	2.0633410	.0264938	21.89146	.41384	,0 707 72	
4.73	1,9045	.00242342	.01.27250	.43640	2.0641740	.0262667	22.08074	.41367	.070189	
4.74	.18980	.00239550	.0126110	.43565	2.0650030	.0260417	22.27146	.41350	.069811	
4.75	.18915	.00236399	.0124981	.43491	2.0658280	.0258190	22,46364	· 4 1333	.069038	
4.76	18850	00233488	.0123884	.43417	2.0666480	.0255983	22.65723	.41316	.068471	
4.77	.18786	.00230616	.0122758	43343	2.0674640	.0253798	22,85229	.41299	.067908	
4.78	.18722	.00227784	.0121664	.43269	2.0682770	.0251634	23.04879	.4),282	.067351	
4.79	.18659	.00224990	.0120581	.43196	2.0690850	.0249492	23,24676	.41266	.066799	
4.80	.18596	.00222234	.0119509	.45123	2.0698890	.0247370	23.44627	.41249	.066253	
4.81	18535	.00219515	.0118447	.43050	2.0706890	.0245267	23,64715	.41253	.065711	
4.82	.18470	.00216853	.0117397	.42977	2.0714840	.0243185	23,84959	-41216	.065174	
4.83	18408	.00214187	0116357	.42904	2.0722760	.0241124	24.05352	.41200	.064642	
4.84	18346	.00211577	0115328	.42832	2.0730640	.0239081	24.25899	.411.84	.064115	
4.85	.18284	\$0000000	.0114309	.42760	2.0738480	.0237059	24.46596	.41168	.063592	
4.86	.18222	.00206461	.0113300	.42688	2.0746280	.0235056	24.67447	.41152	.083075	
4.87	.18161	.00203955	.0112302	.42616	2.0754040	.0233072	24.88450	.41136	.062561	
4.88	18100	.00201482	.0111314	.42545	2.0761760	.0231107	25.09609	.41 <u>1</u> 20	.062053	
4.89	18040	.00199043	.0110336	.42473	2.0769440	.0229161	25,30924	-41105	.061549	12
4.90	.17979	.00196636	.0109367	.42402	2.0777080	.0227233	25.52394	.41089	.061050	NACA
4.91	17919	.00194262	0108408	.42331	2.0784690	.0225323	25.74022	.41073	.060556	5
4.92	.17860	.00191919	.0107459	.42261	2.0792250	.0223432	25.95809	.41058	.060066	
4.93	.17800	.00189607	0106520	.42190	2.0799780	.0221559	26.17757	.41043	.059580	12
4.94	17741	.001.87326	.0105590	.42120	2.0807270	.0219703	26.39868	.41027	.059099	
4.95	17682	.00185076	.0104669	.42050	2.0814730	.0217866	26.62135	.41012	.058622	ပ္ပ
4.96	17623	00182855	.0103758	.43,980	2.0822140	.0216045	26.84569	.40997	.058149	7869
4.97	.17565	.00180664	.0102855	.41911	2.0829520	.0214242	27.07159	.40982	. 05768 1 .	-
4.98	.17507	.001,78502	.0101962	.41841	2.0836860	.0212456	27.29920	.40967	.057217	
4.99	17449	.00176569	.0101077	.41772	2.0844170	.0210687	27.52844	.40952	.056757	

TABLE VI. - Continued. SPECIFIC HEAT, 1.38

				_			,		
M	$ exttt{T/T}_{ exttt{t}}$	p/p_{t}	$p/p_{\mathbf{t}}$	a/a_t	v/a_t	$ ho_{ m v}/ ho_{ m t}$ a $_{ m t}$	A/A*	M_2	$_{\mathrm{p_{t_2}/p_{t_1}}}$
5.00	.17391	.00174263	.0100201	.41703	2.0851440	.0208934	27.75934	.40938	.056301,
5.01	.17334	.00172186	.0099334	41634	2.0858670	.0207199	27.99190	40923	.055849
5,02	.17277	.00170136	.0098476	.41565	2.0865880	.0205479	28.22514	40909	.055402
5,03	.17220	.00168113	.0097626	.41497	2.0875040	.0203776	28,46205	.40894	.054959
5.04	.17164	.00166117	0096785	41429	2.0880170	.0202088	28,69970	40880	.054519
5.05	.17107	.00164147	.0095952	.41361	2.0887260	.0200417	28.92909	40865	.054083
5.06	.17051	00162203	,0095127	41293	2.0894320	.0198761	29.18016	40851	.053652
5.07	16995	.00160284	.0094310	41226	2.0901340	.0197121	29,42288	40837	.053224
5.08	.16940	.00158391	.0093502	41158	2.0908330	.0195496	29.66746	40823	.052800
5.09	.16885	00156523	0092701	.41091	2.0915290	.0193887	29,91371	.40809	.052380
5.10	16830	.00154678	.0091908	.41024	2.0922200	.0192292	30.16176	.40795	.061963
5.11	.16775	,00152858	.0091123	.40957	2.0929100	.0190713	50.41159	.40781	.051550
5.12	.16720	,00151062	.0090346	.40891	2.0935950	.0189148	30.66316	.40767	.051141
5.13	.16666	,00149289	.0089576	.40824	2.0942770	.0187598	30.91651	40754	.050756
5,14	.16612	.00147539	.0088814	• •	2.0949560	.0186062	31,17173	.40740	.050334
	.16558	.00145812	-	.40758	2.0956310	.0184541	31,42872	-	.049936
5,15	16505	.00143812	.0088060	.40692	2.0963030	.0183053	31.68752	.40726	.049541
5,16	.16451		,0087312	.40626				.4071.5	.049150
5.17	-	.00142424	.0086572	.40560	2,0969720	.0181540	31.94820	.40700	.048763
5,18	.16398	.00140764	.0085840	40495	2.0976380	.0180061	52.21071	.40686	
5,19	.16346	.00139124	.0085114	40430	2.0983000	.0178595	52.47505	.40673	.048379
5,20	.16293	.00137506	.0084395	.40365	2.0989590	.0177143	32.74121	.40660	.047998
5.21	.16241	.00135909	.0083684	40300	2.0996160	.0175704	53.00951	.40647	.047620
5.22	,16189	.00134332	.0082979	40235	2.1002680	.0174279	33.27925	.40634	.047246
5,23	.16137	.00132776	.0082282	.40171	2.1009180	.0172867	33,55115	.40621	.046876
5.24	16085	.00131239	.0081590	.40106	2.1015650	.0171468	33,82492	.40608	.046508
5,25	16034	.00129722	.0080906	.40042	2.1022090	.0170081	34.10057	.40 595	.046144
5,26	.15983	.00128225	.0080228	. 39978	2,1028490	.0168708	34.37814	.40582	.045783
5.27	.15932	.00126747	.0079557	.39914	2.1034870	.0167348	54.65767	. 40570	.045425
5.28	.15881	.00125288	.0078892	.39651	2,1041210	.0165999	54.93913	.40557	.045071
5,29	.15830	.00123847	.0078234	.39787	2.1047520	.0164664	35.22259	.40544	.044719
5.30	,15780	.00122425	.0077582	.39724	2,1053800	.0163340	35,50800	.40532	.044371
5.31	.15730	.00121021	.0076936	.39661	2.1060060	.0162028	35.79542	.40 519	.044026
5.32	.15680	.00119635	.0076297	.39598	2.1066280	.0160729	56.0848].	.40507	•043684
5,33	.15631	.00118267	.0075663	,39536	2,1072470	.0159442	36.37615	.40495	.043344
5.34	.15581	.00118916	.0075036	.39473	2.1078650	.0158166	56.66957	.40483	.043008
5,35	.15532	.00115582	.0074415	,39411	2.1084780	.0156902	36.9649 5	.40471	.042675
5.36	. 15483	.00114265	.0073799	39349	2,1090980	.01,55849	57,28244	.40458	.042344
5.37	. 15454	.00112965	.0073190	.39287	2,1096960	.0154408	37.56201	.40446	.042017
5 .38	. 15386	.00111681	.0072586	.39225	2.1103010	.0153179	57.86549	.40434	.041692
5.39	. 15338	.00110413	.0071988	39163	2,1109030	.0151960	38.16711	.40423	.041370
5.40	.15290	.00109161	.0071396	.39102	2.1115020	.0150752	58.47283	.40411	.041051
5.41	.15242	.00107925	.0070809	.39041	2.1120990	,0149556	38.78061	.40399	•040755
5,42	.15194	.00106705	.0070228	.38980	2.1126930	.0148370	39.09054	.40387	-040422
5,43	.15147	.00105500	.0069652	.28919	2,1132830	.0147195	39.40254	.40378	•040111
5.44	.15099	.00104310	.0069082	38858	2,1138710	.0146051	39,71669	40364	.039803
5,45	.15052	.00103135	.0068517	.38797	2,1144570	.0144877	40.03294	40553	.039498
5,46	15006	.00101975	.0067958	.38737	2,1150390	,0143734	40.35137	40341	.039195
5.47	14959	.00100829	.0067404	.38677	2.1156200	.0142601	40.67201	40330	.038895
5,48	14913	.00099698	0066855	.38617	2.1161970	.0141478	40.99478	.40518	.038598
5.49	.14866	.00098580	.0066311	.38557	2.1167710	.0140366	41.31976	40307	.038303
0			,	10000		,		, 2000	

			T		- Concluded.	SPECIFIC	HEAT, 1.38		
M	$^{\mathrm{T/T}}_{\mathrm{t}}$	$p/p_{ m t}$	$ ho/ ho_{ m t}$	$\mathtt{a/a}_{\mathrm{t}}$	v/a_t	ρ_{v}/ρ_{t} a_{t}	A/A	$^{\rm M}2$	$\mathbf{p_{t_2}/p_{t_1}}$
5.50	.14820	.00097477	.0065773	.38497	2.1173430	.0139263	41.64687	.40296	.038010
5.51	.14775	.00096387	.0065239	.38438	2,1179120	.0138170	41.97623	.40285	.037721
5.52	.14729	.00095311	-0064710	.38378	2.1184790	.0137088	42.30784	.40274	.037433
5.53	.14683	.00094249	.0064187	.38319	2.1190430	.0136015	42.64163	.40262	.037148
5,54	.14638	.00093199	.0063668	.38260	2.1196050	.0134951	42.97771	.40252	.036866
5.55	.14593	.00092162	.0063154	.38201	2.1201630	.0133897	43.31596	.40241	.036587
5.56	14548	.00091139	0062645	.38142	2.1207190	.0132852	43.65653	.40230	.036309
5.57	.14504	.00090128	.0062141	.38084	2.1212730	.0131817	43.99941	.40219	.036034
5.58	.14459	.00089129	.0061641	.36026	2.1218240	.0130791	44,34450	.40208	.035761
5.59	.14415	.00088143	.0061146	.37987	2.1223720	.0129774	44.69204	.4 03.97	.035491
5.60	.14371	.00087169	.0060656	.3790 9	2.1229190	.0128767	45.04171	.40187	.035223
5.61	.14327	.00086207	.0060170	.37851	2.1234620	.0127768	45,39385	. 4 0176	.034957
5.62	.14284	.00085256	.0059688	.37794	2.1240030	.0126778	45.74827	. 4 0166	.034694
5.63	.14240	.00084318	.0059211	.37736	2,1245410	.0125797	46,10506	.40155	.034 <u>4</u> 33
5.64	.14197	.00083390	.0058739	.37679	2.1250780	.0124824	46.46424	.40145	.034174
5.65	.14154	.00082475	.0058271	.37621	2.1256110	.0123861	46.82573	.40134	.033917
5.66	.14111	.00081570	.0057807	.37564	2.1261430	.0122906	47.18973	.40124	.053663
5.67	.14068	.00080676	.0057347	. 37507	2.1266720	.0121959	47.55607	.40114	.033410
5.68	.14026	.00079794	.0056892	.37451	2.1271980	.0121020	47.92484	.4 01 03	.033160
5.69	.13983	.00078922	.0056441	,37394	Z.1277220	.01.20090	48:29596	.40093	.032912
5.70	.13941	.00078081	.0055994	.37338	2.1282440	.0 1 19168	48.66953	.40083	.032666
5.71	.13699	.00077210	.0055551	.37281	2.1287630	.0118255	49,04571	_4 0073	.032422
5.72	.13857	.00076369	.0055112	.37225	2.1292800	.0117349	49,42425	.40063	.032180
5.73	.13815	.00075539	.0054677	.37169	2.1297950	.0116451	49.80517	.40053	.031941
5.74	.13774	.00074719	.0054246	.37113	2.1303070	0115561	50.18873	.40043	.031703
5.75	.13733	.00073909	.0053819	.37058	2.1308180	.0114679	50.57480	.40033	.031467
5.76	.13692	.00073108	.0053396	.57002	2,1313260	.0113605	50.96330	.40023	.031234
5.77	.13651	.00072317	.0052977	.36947	2.1318300	.0112938	51.35435	.40014	.031002
5.78	.13610	00071536	.0052562	36892	2,1323330	.0112079	51.74796	.40004	.030772
5.79	.13569	.00070764	.0052150	.36857	2.1328350	.0111228	52.14415	.39994	030545
5.80	.13529	.00070002	.0051742	.36782	2.1333330	0110384	52.54290	.59985	.030319
5.81	,13489	.00069248	.0051338	.36727	2,1338510	.0109547	52.94427	.39975	.030095
5.82	.13449	.00068504	.0050938	.36672	2,1343240	.0108718	53,34811	. 39965	.029873
5.63	.13409	.00067768	.0050541	.36618	2.1348170	-0107895	53.75470	.39956	.029653
5.84	.13369	.00067042	.0050147	.36563	2.1353070	.0107080	54,16382	,39946	.029434
5.85	.13329	.00066323	.0049758	-36509	2.1357940	.0106272	54.57569	.39937	.029218
5.86	.13290	.00065614	.0049372	-36455	2.1362800	.0105471	54.99010	.39928	.029003
5.87	.13251	.00064913	.0048989	.36401	2.1367630	.0104677	55.40717	.39918	.028790
5.88	.13212	.00064221	.0048609	.36348	2.1372450	.0103890	55,82706	.39909	.028579
5.89	.13173	.000635 3 6	.0048233	.36294	2.1377240	.0103110	56.24951	.39900	.028370
5.90	.13134	.00062860	.0047861	.36241	2.1362000	.0102336	56.67468	.39891	.023162
5.91	.13095	.00062192	.0047492	.36187	2.1386750	.0101569	57.10269	.39882	.027956
5.92	.13057	.00061531	.0047126	.36134	2,1391480	.0100809	57.53329	.39873	.027752
5.93	.13019	.00060879	.0046763	.36081	2.1396190	.0100056	57.96666 59.40379	.3986 <u>4</u>	.027550
5.94	.12980	.00060234	.0046404	.36028	2.1400880	.0099308	58.40278	.39855	.027349
5.95	.12943	.00059597	.0046048	.35976	2.1405540	.0098567	58.84182 50.20740	.39846	.027150
5.96	.12905	.00058968	.0045695	.35923	2.1410190	,0097853	59.28349 50.72796	.39837	.026953
5.97	.12867	.00058345	.0045345	.35871	2.1414810	.0097105 .0096383	59.72796 60.17537	.39828	.026757
5.98	.12830	.00057730	.0044998	.35818	2.1419420	.0095667	60.17537	.39819	.026563
5.99	.12792	,00057123	.0044654	.35766	2.1424000	.0094958	60.62548	.39810	.026370
6.00	.12755	.00056522	.0044514	.35714	2.1428570	*********	61.07855	.39801	.026160